Oil, Paint and Drug Reporter

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Volume 133 FEBRUARY 21, 1938 Number 8

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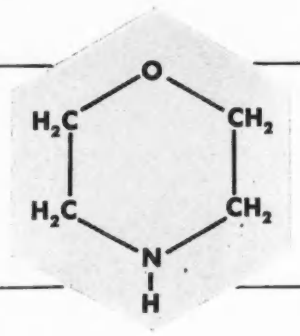

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Oil, Paint and Drug Reporter

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Volume 133 FEBRUARY 21, 1938 Number 8

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President Seeks Balanced Prices

OPD Washington Bureau
February 18, 1938

Better balance of the relation of prices of various groups of commodities to each other and between commodity price levels and the level of debt burdens and cost is sought by President Roosevelt as an important factor in the administration's endeavor to attain full employment and a high level of income. This was disclosed when the President, in his press conference today, made known the results reported by his committee on price study.

There was an intimation in the committee's report of a desire for better stability in the direction and rate of movement of the general price level. While it was reported that prices on some commodities not subject to strong competition were high, the committee's conclusion was that a moderate raising of the general price level was desirable. The point was made that increases need not and should not be made in all prices, but should apply to commodities in classes where prices are recognizably too low. Chiefly these are raw and finished materials produced and sold under highly competitive conditions. The President said that the price policy did not mean inflation.

The housing field was mentioned as one in which high prices had handicapped desirable and necessary progress. Industries which have kept prices at relatively high levels when their volume fell off or was curtailed should, the committee said, seek the restoration of profits through increased output. For other industries, among which agriculture was mentioned, that operate at a high level in comparison with general business conditions, the restoration of profits, the committee said, must come primarily through higher prices.

Speculative buying was blamed by the President in part for the dislocation of the price structure. He made it plain that the administration's policy was one of abundance, not one of restriction, and he explained that neither the price level of 1926 nor that of any other year was the goal of the price purpose, which, he said, was to seek a balanced relationship between prices as a means of stimulating employment and the broad economic structure. The answer, as he saw it, was not in lower wages but in increased volume.

The committee's report and the President's statement warned that the desirable elevation of the general price level must not be so sharp or continue so long as to lead to a revival of speculative buying. The belief was expressed that anticipatory buying in the rising markets of late 1936 and early 1937 combined with slump in housing construction laid much of the ground for the business recession.

The President's price-study committee consisted of Henry Morgenthau, jr., Secretary of the Treasury; Henry A. Wallace, Secretary of Agriculture; Frances Perkins, Secretary of Labor; and Marriner Eccles, chairman of the governors of the Federal Reserve System. It was assisted in its studies by economists of various executive departments.

Alcohol in Gasoline Mandate Proposed

OPD Washington Bureau
February 16, 1938

Two new bills to promote the use of alcohol-gasoline blend as a motor fuel have just been introduced in Congress.

Senator Guy M. Gillette of Iowa has introduced a bill (S. 3445) to exempt from the present Federal gasoline tax of 1 cent per gallon motor fuel mixed with 10 percent or more of anhydrous ethyl alcohol produced from annual agricultural crops grown in continental United States.

Representative Harold Knutson of Minnesota has introduced a bill (H.R. 9470) which would make it illegal for any person to sell motor fuel in the United States unless at least 10 percent by volume of it is alcohol manufactured from agricultural products. In addition to making such sale a Federal offense, punishable by a fine of $1,000 or imprisonment for one year, the bill would place a tax of 10 cents per gallon on the sale of motor fuel not containing at least 10 percent of alcohol. The bill would also amend the denatured alcohol act of 1906 to permit alcohol manufactured from domestic agricultural products to be withdrawn from bond without payment of tax or without denaturation when for use in motor fuel.

Import Appraisal Sampling Changed

OPD Washington Bureau
February 16, 1938

The Bureau of Customs today made public a list of commodities affected by a treasury decision providing that less than one package in ten of imported goods, but not less than one package in every invoice, need be examined by collectors for appraisal for import duties.

The 1930 tariff act provides that not less than one package of every ten of merchandise shall be examined unless the Secretary of the Treasury decides that examination of a lesser number will amply protect the revenue.

Today's ruling, which supersedes T. D. 48807 and 48923, applies to merchandise in packages the contents and values of which are uniform or in packages the contents of which are identical as to character, although differing as to quantity and value per package.

Among the commodities which may be entered under this ruling are:—

Abrasives

Acids of all kinds

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F.W.D.A. Discusses Labor Conditions and Fair Trade

Although there was quite naturally evidence that the cooperative drug wholesaling trade was affected by the general business slump in the latter part of 1937, reports presented in the Midwinter meeting of the Federal Wholesale Druggists Association showed clearly that the member houses had much better business over the year as a whole than they had in 1936. The increase in their volume was reported to have been better than the average for wholesaling trade.

Althuogh the cooperative wholesalers have not found conditions under fair trade laws wholly satisfactory, it was reported that the chief objectionable item, that of cash discounts, was being satisfactorily adjusted. Conditions with respect to contractually priced articles had been well worked out, but there remained a few cases of dissatisfaction over what were regarded as excessive cash deposits under the del credere plan.

It was the consensus that fair trade contracts between manufacturers and wholesalers had in large part been adjusted to a reasonable and satisfactory regard for the cooperative system of distribution.

The association will hold its annual meeting in Chicago October 5 to 8.

The Midwinter meeting was held in the Roosevelt hotel, this city, February 15 to 17. As usual the first day was devoted to joint sessions of the active (wholesaler) members and the associate (manufacturer) members. It is customary for the chairman of the associate members' group to preside at these sessions. E. T. T. Williams, of Becton, Dickinson & Co., the present chairman, was unable to attend the meeting because Col. Fairleigh S. Dickinson, president of his company, had been seriously injured in an automobile accident near Peekskill, N. Y., February 13. In Mr. Williams's absence the chair at the joint sessions was accupied by Turner F. Currens, of the Norwich Pharmacal Company, a former chairman of the associate members' group.

George A. Raab
F.W.D.A. President

Two new associate members were enrolled—the Lanteen Company and Burroughs, Wellcome & Co.

General business conditions were given more attention this year than matters of more specific application to the drug trade in the joint sessions of active and associate members. The program of this part of the meeting was opened with an address on "The Employer Under Labor Legislation," by Clarence Updegraff, associate counsel of the National Association of Manufacturers.

Labor Law Conditions

Mr. Updegraff briefly stated the policies of the manufacturers' association in respect of labor relations, pointing out that these upheld the right of workers to bargain individually, collectively, or through chosen representatives, and the equal rights of employers and employees to organize and to consult freely with each other. He questioned the desirability of bargaining through an exclusive agent, holding that this often could permit relatively small minorities to control.

Relations of employer and employee, in the opinion of the manufacturers' association, should be free from collective action coerced by any agency whether employer or labor organization. No mandate of agreement exists under the labor act, Mr. Updegraff pointed out, but the act requires and his association agrees that bargaining, which is mandatory, should be genuine in purpose. The association feels also that an employer should not be required to deal with the promoters of a strike that is illegal in purpose or in means. The manufacturers' Association believes that employer and employee have a legal and moral responsibility in their relations, but the labor act does not impose responsibilities on labor.

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Drug Ad Control Bill Passes House

OPD Washington Bureau
February 17, 1938

Senate approval of the conference reports is the only remaining step to enactment of the Wheeler-Lea bill (S. 1077), to enlarge the powers of the Federal Trade Commission and give it jurisdiction over advertising of foods, drugs, and cosmetics.

The house accepted the conference report Feb. 14, without debate, but it has not been called up in the senate because of the filibuster over the anti-lynching bill. As the senate today recessed until Monday, it will not be possible for the conference report to be reached until some time next week.

Senator Royal S. Copeland of New York, who favors giving jurisdiction of food and drug advertising to the Department of Agriculture, has indicated that he wishes to discuss the conference report when it is called up in the senate, but he is not expected to attempt to block its approval.

Chain Store Tax Assailed by Griffiths

The new Patman chain store tax bill should be fought through State groups of chain-store operators, as well as by national chain-store organizations, Fred J. Griffiths, secretary of the National Association of Chain Drug Stores and president of the Pennsylvania Drug Company, this city, told members of the association at its meeting in the Hotel Biltmore, this city, February 16.

Mr. Griffiths said that plans are being made for the formation of chain associations in every State because Congressman Patman had been quoted as saying that, if he took care of the chains nationally, the various States will take care of them individually. The Patman bill, Mr. Griffths said, is so drastic that it would seem impossible to pass it, but it must be carefully watched and vigorously opposed, he urged.

Chain drug store operators were urged by Mr. Griffiths to become active in the new State chain organizations and to carry on an educational campaign to acquaint producers and consumers with the value of chain-store distribution.

Chain Store Tax Bill Introduced

OPD Washington Bureau
February 14, 1938

Representative Wright Patman of Texas today introduced the chain store tax bill which he has had under consideration for several weeks. The bill (H.R. 9464) also bears the names of seventy-four other members of the house as coauthors and cosponsors.

The bill would impose a Federal tax on every person or organization maintaining ten or more retail stores under the same general management, supervision, ownership or control. For each store not in excess of fifteen the tax would be $50 a store annually. For each additional store not in excess of twenty-five, the tax would be $100 a store, and would be graduated upward with the number of stores until it reached $1,000 a store for each additional store in excess of 500. For the first fiscal year during which the tax is in effect, it would be one-half of the rate specified, and for the second fiscal year it would be three-fourths of the rate.

These taxes are to be multiplied by the number of States in which any stores in a chain are located, but during the first fiscal year this additional tax would be one-fourth of one percent of the amount specified and for

—Continued on page 34

Closing Market Developments

Ephedrine and Its Salts Down

Because of an increase in spot offerings, and also because of dwindling demand in keeping with the season, prices on ephedrine alkaloid and salts were lower at the close of last week. Alkaloid was priced at $4.25 per ounce; hydrochloride, $3.25; sulphate, $3.25.

Senega Root Advanced

Prices on senega root were advanced to 65c. to 70c. per pound late last week. Stocks on the spot and in the primary market were said to be conservative in size. Some dealers were minimum at 67c. per pound.

Mexican Vanilla Cuts Off

Because of new crop Mexican vanilla cuts are arriving on the market, quotations have been reduced to $3.35 to $3.75 per pound, ruling according to quality. Whole beans hold firm and unchanged at $4.25 to $4.50 per pound and the present small stocks must care for demand between now and the marketing of new crop in June-July-August. Bourbon beans were very firm. South Americans were quoted $3.60 to $3.75. The situation in Madagascar was tight and prices there were higher than in France late last week. Business in vanilla beans generally on this market continued at the excellent volume current almost continuously since January 1.

Cottonseed Oil Unsettled

Cottonseed oil was unsettled on Friday. After opening 12 to 14 points higher, with May up to 8.38c. and July 8.42c., the market weakened under general selling on disturbing reports from Washington and a decline in other commodities. May dropped to 8.20c. and July to 8.26c. after which there was a recovery to 8.24c. and 8.32c. repectively. Trading was active, transactions for the day being 496 contracts which brought the total for the week ended Friday up to 1,810 cnotracts.

Tallow Firm

Tallow was unchanged late in the week, but offerings were light and the tone of the market appeared to be firmer. The last business reported was at 6c. per pound for extra, delivered.

Tin Tetrachloride Up

Price of anhydrous tetrachloride of tin was advanced ¼c. per pound at 21¼c. per pound, reflecting the firmness in Straits tin. Other tin derivatives were firm, but unchanged. The export quota figure for the second quarter of this year was reduced to 55 percent by the International Tin Committee at its meeting in The Hague today. This compares with 70 percent in the first quarter, previous to which it had been at 110 percent.

Foreign Tariff Rules

Information recently published by the Department of Commerce on foreign tariffs and related trade regulations includes the following data:—

Fertilizers.—The French revised regulations governing the trade in fertilizers, extended to include soil amendments, have been made effective in Algeria.

Formic Acid.—Netherland India has continued the expiring quota restrictions on imports of formic acid for six months beginning December 28, 1937.

Lime.—Czechoslovakia has established a lump-sum turnover tax of 4½ percent of the duty-paid value on imports of quick lime and slaked lime and on calcium oxide for cleaning purposes, when prepared for retail sale. This tax, which is applicable on both imported and domestic products,, replaces a turnover tax of 3 percent, collected on each turnover.

Olive Oil.—The Tunisian export prohibition on olive oil of more than 2 percent of acidity has been discontinued.

Road Oils.—The French import duty on road oils was reduced from 3.30 francs per 100 kilos, net; a net classification was established for petroleum, butane, propane and similar gases, with a change in duty from 10 percent ad valorem to 12 francs per 100 kilos net.

Saccharin.—The Czechoslovakian monopoly tax on imported and other synthetic sweetening substances has been increased from one crown per kilo and sweetening unit to six crowns per unit.

Toilet Preparations.—Toilet preparations imported into Paraguay that make no claim to therapeutic properties are required to be registered by the National Department of Hygiene.

Chemical Prices Average Lower

The economic theory that lower prices are a current business need was practically applied in the markets for heavy and fine chemicals last week. Although there was an increase in quotations on tin salts, the reductions, led by copper salts and arsenate of lead, were much more numerous and weighty, and the general average was depressed.

Business on the whole showed a little improvement. News from the major consuming industries brought more encouragement in most instances. It was still evident that the old rule of buying lightly in a weakening market was generally adhered to.

Prices were advanced on tin crystals, tetrachloride of tin, stannate of soda, and J1 myrobalans. Prices were reduced on monohydrated blue vitriol, carbonate and chloride of copper, arsenate of lead, quicksilver, vermilion, sorbitol, ephedrine and its salts, gum and wood rosins, wood turpentine, X-ray grade subcarbonate of bismuth, domestic casein, film scrap, Hiroe copal, Singapore dammar, domestic egg yolk, R2 myrobalans, hoofmeal at Chicago, domestic and imported tankage, and imported dried blood.

The REPORTER'S composite index number of prices for heavy and fine chemicals receded to 126.7 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 89.7, against 89.1 at this time last year. The price indexes for heavy chemicals, drugs and fine chemicals, and paint, varnish, and lacquer materials are below the 1937 level.

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MacKinney Made United Dyewood Head

Paul R. MacKinney was elected president of the United Dyewood Corporation, the parent company of the American Dyewood Company, of which he is also president. He succeeds Joseph C. Baldwin, jr., who died December 29, 1937.

Mr. MacKinney, who had been vice-president of the United Dyewood Corporation previous to his elevation, was born in Providence, R. I., in 1885. He joined the New York and Boston Dyewood Company in 1902, and subsequently became affiliated with the Heller & Merz Company in 1907. Mr. MacKinney founded the New York Color & Chemical Company in 1916, remaining as its president until 1923, when the company was merged with the American Dyewood Company, of which he became a vice-president, and succeeded to the presidency in 1936.

Paul R. MacKinney

Ernest W. Picker was named vice-president and treasurer, having formerly been secretary and treasurer. F. C. Fuller, who had been vice-president and assistant treasurer, was elected secretary and assistant treasurer.

Fertilizer Watering Of Soil Advocated

OPD Washington Bureau
February 14, 1938

A bill to authorize government experiments with a process for introducing nitrogen fertilizer into water used for irrigation purposes has been introduced in the house by Representative John R. Murdock of Arizona.

The bill (H.R. 9439) would authorize the expenditure of $40,000 annually by the Department of Agriculture and the Department of the Interior to experiment with patented processes for manufacturing nitrogen and supplying it to irrigation waters; and, if the processes are approved, to take over the patents on a royalty basis and spend up to $15,000,000 for the construction of nitrogen-

—Continued on page 34

East Texas Oil Price Probed by U.S.

OPD Washington Bureau
February 16, 1938

The Department of Justice today revealed that its antitrust investigators are studying the possibilities of illegal price manipulations of crude petroleum in the East Texas field.

The department has received a number of complaints that independent refiners in East Texas and Oklahoma have been forced to close their operations because the price of gasoline has declined whereas the price of crude oil has remained at a high level. In some quarters it was declared that this situation came about through the action of major oil companies in ceasing to buy gasoline from independent refiners as a result of the government's victory in the oil antitrust suit at Madison, Wis., under which the gasoline buying pool was held illegal, but Department of Justice officials are inclined to believe that it is caused by artificial manipulation of crude oil prices.

Chemist Advisory Council Formed

With the stated objective of promoting the general welfare of chemists and chemical engineers there has been incorporated in this city under the laws of this State the Chemist Advisory Council, a membership corporation. This organization is an outgrowth of the Committee on Unemployment and Relief for Chemists and Chemical Engineers. Although, as was its predecessor, the council will be run "by chemists and chemical engineers for chemists and chemical engineers with the interest of the individual chemist and chemical engineer dominant," it will devote its energies chiefly to study and improvement of the relation of the chemical profession to the chemical industry.

Dr. Walter S. Landis
President, Chemist Advisory Council

The experience gained by the unemployment committee in its six years of functioning in respect of emergency

—*Continued on page* 31

Farm Act Sponsors Large Research Fund

OPD Washington Bureau
February 16, 1938

The new agricultural adjustment act passed by Congress this week includes an authorization of $4,000,000 annually for the support of four regional agricultural research laboratories, one in each major farm producing area.

The Secretary of Agriculture is to select sites for the laboratories and may accept donations of property and funds. The laboratories are to conduct research into and to develop new scientific, chemical, and technical uses and new and extended markets and outlets for farm commodities and their products and by-products. The act directs that such research and development shall be devoted primarily to those farm commodities of which there are regular or seasonal surpluses. The research will be conducted in cooperation with other Federal departments and with State and other institutions.

In addition, it is provided that the sum of $1,000,000 of the general appropriations for enforcement of the act be allocated annually to the Secretary of Commerce for the promotion of the sale of farm commodities and products. During the coming fiscal year the Secretary of Commerce is directed to spend $100,000 of this allocation in making a survey and investigation of the causes of reductions of exports of agricultural commodities in order to ascertain methods by which the sales in foreign countries of basic agricultural commodities produced in the United States may be increased.

These provisions for research were drafted by the conference committee to replace a number of somewhat conflicting provisions in the farm bills as passed by the House and the Senate. Whereas the Senate draft would have directed the research projects to be undertaken first by certain of the regional laboratories, the final act places no specific restrictions on the projects to be undertaken at any of the four contemplated new laboratories.

DuPont Forms Electroplating Division

Formation of the electroplating chemicals division has been made by E. I. duPont de Nemours & Co. This division is designed to correlate the various manufacturing departments of the company contributing to the plating industry.

The new division, headed by J. C. Pickard, has as its aim a unified position from which to service the trade, providing such technical assistance as may be occasioned. The division will handle all duPont products having a place in the electroplating field, particularly the materials made by the Grasselli and the R. & H. chemicals departments.

Mr. Pickard until recently was West Coast manager for the R. & H. chemicals department Pacific division, Los Angeles. C. M. Hoff, formerly of the plating division of the Grasselli chemicals department, is assistant manager of the division.

Heckel Celebration To Have 'Met' Stars

Two of the best-known stars of the Metropolitan Opera Company will sing at the dinner in honor of George B. Heckel, in the Waldorf-Astoria, this city, March 11. Arrangements for this specially attractive feature have been made with the Metropolitan management by George A. Martin, president of the Sherwin-Williams Company, which has a radio broadcasting connection with the opera company.

Mr. Martin will preside at the dinner, which will commemorate the eightieth birthday of Mr. Heckel and honor him for his long, efficient service to the paint, varnish, and lacquer industry.

Applications for places at the Heckel dinner are being made in a manner most gratifying to the committee on arrangements, of which E. V. Peters, of the St. Joseph Lead Company, is chairman, and Harry R. Hillman, of the Eagle Paint & Varnish Company, is treasurer. Those already enrolled for the occasion include:—

R. F. Adams, of the Paint, Oil and Chemical Review; A. W. Baeder, of the Sherwin-Williams Company; Lynn Baker, of J. Walter Thompson; E. C. Bisbee, of the Bisbee Linseed Company; O. D. Bluthart; Everett Boughton, of the R. T. Vanderbilt Company; Reuel S. Burr, of E. I. du Pont de Nemours & Co.; C. A. Campbell, of the Acme White Lead Company; Charles J. Caspar, of the Pittsburgh Plate Glass Company; E. J. Cornish, of the National Lead Company; Matt Denning and W. F. Donohoe, of E. I. du Pont de Nemours & Co.; H. R. Dowdy, of Dowdy Brothers; Frederick S. Duncan.

W. S. Edgar, of the R-B-H Lacquer Base Company; Horace S. Felton and J. Sibley Felton, or Felton, Sibley & Co.; John P. Floan, of the Chadeloid Chemical Company; P. C. Frayser, of the Martin Senour Company; H. P. Fritsch, of the Vane Calvert Paint Company; W. A. Gorrell, of John Lucas & Co.; J. E. Hayes, of the New Jersey Zinc Company; Kenneth J. Howe, of the Thibaut & Walker Company; C. P. Jarden, of the Sherwin-Williams Company; A. F. Kitchell, of the Binney & Smith Company; D. A. Kohr, of the Lowe Brothers Company; H. E. Lackey, of E. I. du Pont de Nemours & Co.; E. V. Ladd, of the Densol Paint Company; James B. Lord, of the Boston Varnish Company.

William MacKnight, of the Yarnell Paint Company; Z. E. Martin, of the Martin Senour Company; Samuel R. Matlack, of George D. Wetherill & Co.; Fred L. Meyer, of J. Meyer & Sons; J. J. Moosman, of E. I. du Pont de Nemours & Co.; C. P. Morris, of the Binney & Smith Company; Thomas Neal, Detroit; C. G. Nelson, of the Socony Vacuum Oil Company; Zach Phelps, of E. I. du Pont de Nemours & Co.; Elliott S. Phillips, of the Devoe & Raynolds Company; S. French Reeves, of the John T. Lewis & Bros. Company; Herbert W. Rice, of the U. S. Gutta Percha Paint Company; William Richter, of E. I. du Pont de Nemours & Co.; R. N. Roosevelt, of the Sherwin-Williams Company; C. H. Rupprecht, of E. I. du Pont de Nemours & Co.

C. N. Seidlitz, of the Seidlitz Paint & Varnish Company; Gilbert Spruance, of the Gilbert Spruance Company; A. W. Steudel, of the Sherwin-Williams Company; W. H. Stuart, of the Martin Senour Company; J. H. Stutt, of E. I. du Pont de Nemours & Co.; F. L. Sulzberger, of the Enterprise Paint Manufacturing Company; Dr. N. E. Van Stone, of the Sherwin-Williams Company; R. O. Walker, of the Thibaut & Walker Company; H. E. Whiting, of the Bisbee Linseed Company; H. D. Whittlesey, of the Sherwin-Williams Company; W. S. Woodward, of the American Zinc Sales Company; W. M. Zintl, of E. I. du Pont de Nemours & Co.

Tung Oil Promotion By U.S. Fund Urged

OPD Washington Bureau
February 14, 1938

Companion bills to provide Federal aid for the tung oil industry were introduced in Congress today (S. 3448), introduced by Senator Richard B. Russell, jr., of Georgia, (H.R. 9467), introduced by Representative William M. Colmer of Mississippi.

The bills would authorize the appropriation of $300,000 a year for the Secretary of Agriculture to conduct experiment stations for investigating growing of tung trees, developing or introducing varieties of tung trees and other sources of drying oils, for carrying on chemical and physical investigations in drying oils, and for disseminating to the public the results of these investigations and experiments.

The bills provide that of the total appropriation the sum of $25,000 shall be allocated annually to the Secretary of Commerce for the purpose of collecting information and promoting interstate and foreign commerce in tung and other drying oils.

Hazardous Trucking Ferry Service Offered

Inauguration of strictly freight ferry service to provide transportation for inflammable, explosive, and otherwise hazardous materials between the main ferry terminal of the Delaware, Lackawanna & Western Railroad in Hoboken and the Christopher street terminal in this city has been tentatively set for March 1. This service will be open to all manufacturers and truckers, accommodation tickets being purchasable in advance from the railroad.

Establishment of the service is a development from a series of conferences sponsored by the Elizabeth Chamber of Commerce, which had as their objective the finding of some means to overcome the necessity that trucks carrying dangerous articles be routed over the George Washington bridge, since the transportation of these articles on passenger-carrying vessels is prohibited. Under preliminary plans tickets for the service will be on a monthly commutation plan, usable only in the month for which issued. The cost, it is estimated, will be $2 for a round-trip of a

—*Continued on page* 56

Fuel Oil Tax Perturbs Congress

OPD Washington Bureau
February 16, 1938

The extent to which President Roosevelt is interested in the proposal to place a Federal excise tax of 1 cent per gallon on fuel oil is causing considerable uncertainty at the Capitol.

The proposal was initiated by Representatives Patrick J. Boland and J. Harold Flannery, who represent anthracite-producing districts in eastern Pennsylvania, and who recently appeared before the house committee on ways and means to ask that the pending revenue revision bill be amended to include a tax of 1 cent per gallon on the sale of fuel oil when used for the generation of heat or power but not for use as fuel for internal combustion engines. Following this they visited the White House to enlist the President's support for their measure as a means of conserving petroleum by promoting its use as gasoline instead of as fuel oil. The President announced that he would ask the Department of the Interior to make a study of the proposal and of the extent of known petroleum reserves. Last week the President sent to the chairman of the ways and means committee, Representative Robert N. Doughton, of North Carolina, a report on petroleum reserves prepared by Alex W. McCoy, Ponca City, Okla., for the use of the conference of governors of oil-producing States held at Hot Springs, Ark., January 24.

In his covering letter, President

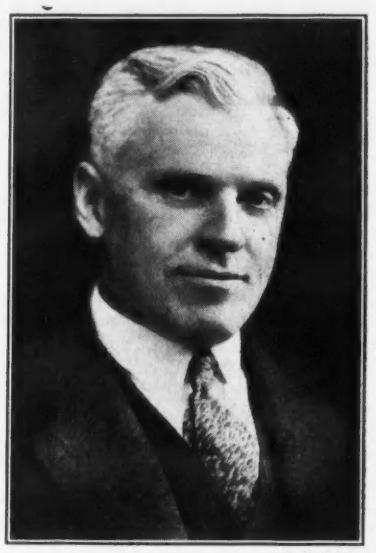
—*Continued on page* 56

Buyers, Sellers Analyze Contacts

Conference Airs Handicaps To Effective Coordination of Interdependent Functionings

Some 400 purchasing agents and sales managers and salesmen in the industrial materials field gathered February 15 in the purchasing-sales conference sponsored by the Purchasing Agents Association of New York, and with an earnest purpose and considerable success wrestled with the mutually pertinent question: "How right is the salesman; how right is the purchasing agent?"

The conference was opened by Benedict Van Voorhis, of the plastics department of E. I. duPont de Nemours & Co., president of the local purchasing agents' organization, who expressed the hope that the discussion would discover clearly the principles that should govern the relations of buyer and seller. Referring to the rules for buying formulated by the National Association of Purchasing Agents, Mr. Van Voorhis said that these, and the present conference, were designed to develop constructively the science of purchasing and to smooth out the relations which such operations involve. He asked for a free and frank participation in the discussion, urging both purchasing and selling men to speak their minds openly and to seek definite information by appropriate questions.



© Bachrach
Benedict Van Voorhis

The conference was directed by G. H. Heilman, of the Otis Elevator Company. The topic of discussion was ably presented by W. H. Oliver, district sales manager for the Republic Steel Company, and John K. Conant, purchasing agent for the General Printing Ink Corporation. At invitations by the chairman and voluntarily a score or more members of the audience propounded questions, and more than as many others replied to these. In addition there were numerous expressions of views on various aspects of the relationship of buyer and seller.

It was universally admitted that buying and selling are companionate functions, not competitive, and the consensus was that appropriate development of their relationships would be inducive of reductions in the cost of distribution. Basically necessary, it was agreed, were fairness and frankness in the meetings of buyer and seller. In general, the views of both groups coincided in respect of the bad effects of unfairness (variously defined), self-satisfaction, shortsightedness, lack of adequate training and knowledge of needs or wares, unethical practices, spreading of gloom, circulating of detrimental rumors, forgetting promises of information, vacillation or lack of adequate information in respect of prices, keeping a caller waiting, disregard of appointments, discourtesy, and bad manners. These faults were not regarded as peculiar to buyer or to seller, and it was urged that both purchasing agents and salesmen, and their superiors in management as well, would do well to consider the treatment they expect for their representatives in the other class and treat sellers as they would like their salesmen to be treated;

—*Continued on page* 33

NO OTHER TYPE OF CONTAINER *deserves more attention* THAN THAT USED FOR CHEMICALS...

One of the "BIG LITTLE THINGS" in MALLINCKRODT Service

No other commodity calls for more care in packing than chemicals. That is why Mallinckrodt containers are made to standards that purchasers of chemicals appreciate. Yet no matter how good the present package may be, Mallinckrodt constantly strives to make it better. Witness the following examples.

"TIGHT AS A DRUM" IS RIGHT

Sturdy, trim and convenient are the fibre drums which contain the 25, 50 and 100-lb. quantities of Mallinckrodt chemicals. The lid comes off easily and fits snugly. The drums are perfect as bulk stock packages.

MODERN as TECHNICOLOR

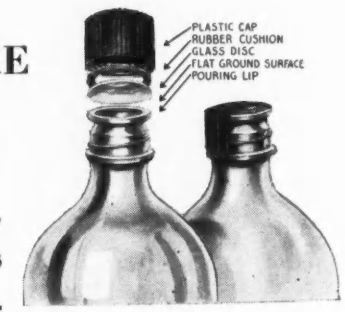
Made of sparkling, flint glass, Mallinckrodt chemical bottles have wide mouths and sloping shoulders. The contents are readily reached. Clear glass (where chemicals have been proven unaffected by light) shows quantity of chemical. Light-sensitive chemicals are truly protected—by bottles which are black-coated.

PROOF AGAINST PRACTICALLY ANYTHING . . .

The BELL CLOSURE

(Pat. App. For)

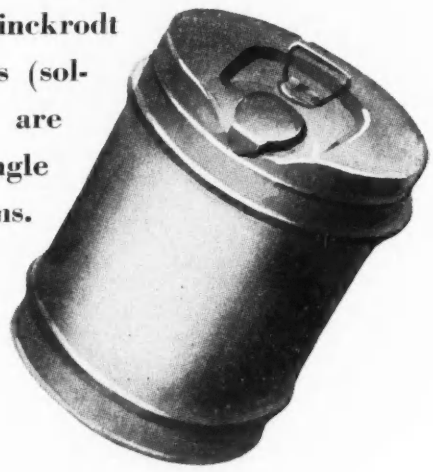
for ACID Bottles



Perfected by Mallinckrodt, the new Bell Closure is liquid-tight, gas-tight, dirt-proof and interchangeable. A turn of the cap opens or closes the bottle. The new shipping case for acids is 14 pounds lighter.

ONE WAY PASSAGE

Many of the Mallinckrodt liquid chemicals as (solvents, collodions), are now packed in single trip, no-deposit drums. A special protective lid prevents dust and dirt accumulation on their pouring spouts.



13th ANNUAL DRUG TRADE DINNER this year is to be held at the Waldorf-Astoria on Thursday, March 3, under the auspices of the Drug, Chemical and Allied Trades Sections of the New York Board of Trade. Be sure to come.

Mallinckrodt

CHEMICAL WORKS

ST. LOUIS CHICAGO NEW YORK PHILADELPHIA MONTREAL TORONTO

Current Market Quotations

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When not otherwise indicated, quotations are f. o. b. New York prices on large lots. Prices changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., works..lb. .75 - 1.00
Acetaldehyde, dms., c.l., works.lb. .14 - —
l.c.l., works..lb. .16 - —
Acetamide, CP, bots., kegs, c.l., works..lb. .35 - —
l.c.l., 1,000 lbs., works..lb. .45 - —
smaller lots, works..lb. .48 - 1.00
tech., kegs, c.l., works..lb. .32 - —
l.c.l., 1,000 lbs., works..lb. .38 - —
smaller lots, works..lb. .43 - .75
Acetanilide, tech., 95%, bbls..lb. .29 Nom.
USP, bbls., 2,000 lbs..lb. .30 - —
smaller lots..lb. .31 - —
kegs, 2,000 lbs..lb. .31 - —
smaller lots..lb. .32 - —
Acetoacetanilide, dms..lb. .65 - .70
Acetone, CP, dms., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd..lb. .06¼- —
tanks, dlvd..lb. .04¾- —
Methyl (see M)
Acetophenone, bots..lb. 1.30 - 1.45
cns., 25 lbs..lb. 1.15 - 1.25
dms., 100 lbs..lb. 1.05 - —
Acetphenetidin, bbls., kegs, 1,000 lbs..lb. 1.30 - —
single pkg..lb. 1.35 - —
smaller pkgs..lb. 1.32 - 1.40
Acid, abietic, dms., c.l..lb. .08¾- —
l.c.l..lb. .09 - —
Acetic, coml. or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys..100 lbs. 2.73 - 2.98
56%, bbls..100 lbs. 4.15 - 4.40
cbys..100 lbs. 4.65 - 4.90
70%, bbls..100 lbs. 5.17 - 5.42
cbys..100 lbs. 5.67 - 5.92
80%, bbls..100 lbs. 5.89 - 6.14
cbys..100 lbs. 6.39 - 6.64
glacial, nat., CP., cbys.100 lbs.14.00 - —
99.5%, nat., bbls., c.l., 100 lbs. 7.62 - 7.87
cbys..100 lbs. 8.12 - 8.37
syn., al. dms., c.l.100 lbs. 8.43 - 8.68
cbys..100 lbs. 8.93 - 9.18
USP, dms..100 lbs.10.25 -10.50
cbys..100 lbs.10.75 -11.00
pure, 30%, bbls., c.l..100 lbs. 3.28 - 3.53
cbys..100 lbs. 3.78 - 4.03
36%, bbls., c.l..100 lbs. 3.66 - 3.91
cbys..100 lbs. 4.16 - 4.41
60%, bbls., c.l..100 lbs. 6.15 - 6.40
cbys..100 lbs. 6.65 - 6.90
80%, bbls., c.l..100 lbs. 7.68 - 7.93
cbys..100 lbs. 8.18 - 8.43

Acetic acid prices above apply deliv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11
l.c.l., dms., frt. alld..lb. .12 - .12½
Acetylsalicylic, USP, bbls, 225 lbs..lb. .60 - —
boxes, 25 lbs..lb. .61 - —
kgs., 100 lbs..lb. .60 - —
Anthranilic, refd., bbls..lb. 1.15 - 1.20
tech., bbls..lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP., powd., dms., kegs...lb. .18 - —
Ascorbic, bots., dms..oz. 3.35 - 3.60
Battery, cbys, c.l., E. works 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works..100 lbs. 1.95 - —
1-9, E. works..100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs..lb. .44 - —
900 lbs. or less..lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs..lb. .55 - —
900 lbs. or less..lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs..lb. .56 - .57
900 lbs. or less..lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton.105.00 - —
c.l., delvd..ton.110.00 - —
l.c.l., ex whse..ton.115.00 -120.00
sks., contracts, 80 tons, delvd..ton. 95.00 - —
c.l., delvd..ton.100.00 - —
l.c.l., ex whse..ton.105.00 -110.00
powd., bbls., contracts, 80 tons, delvd..ton.110.00 - —
c.l., delvd..ton.115.00 - —
l.c.l., ex whse..ton.120.00 -135.00
sks., contracts, 80 tons, delvd..ton.100.00 - —
c.l., delvd..ton.105.00 - —
l.c.l., ex whse..ton.110.00 -125.00
USP, $25 per ton higher.
Broenner's, bbls..lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis..lb. .23 - —
tanks, same basis..lb. .21 - —
Camphoric, cans..lb. 5.50 - 5.70
Capric, dms..lb. .13¼- .13½
Caproic, cans..lb. 2.20 - —
Carbolic (see Phenol).
Castor oil, split, dms..lb. .17½- .18
Chinawood oil, dms..lb. .20½- .21
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works..lb. .04 - —
single drum..lb. .05 - —
tanks, works..lb. .03 - —
Chromic, 99%, dms., delvd. N.Y., lb. .15¼- .17½
Cinnamic, refd., bots..lb. 2.85 - 3.25
Citric, cryst., bbls..lb. .24 - —
kegs..lb. .24½- —
gran., bbls..lb. .24 - —
kegs..lb. .24½- —
powd., bbls..lb. .24½- —
anhyd., gran., dms..lb. .26½- —
powd., dms..lb. .27 - —

Prices on citric acid are f.o.b. N. Y., Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls..lb. .57 - —
Cocoanut oil, dist., dms..lb. .10¼- .10¾
Corn, oil, dist., dms..lb. .06 - .06¼
Cottonseed oil, dist., dms...lb. .0635- .0735
Cresylic, high-boil, dms., c.l., works, frt. equaled..gal. .89 - —
l.c.l., same basis..gal. .91 - —
Cresylic, low-boil, dms., c.l., works, frt. equaled..gal. .92 - —
l.c.l., same basis..gal. .94 - —
imported pale, 97-99, dms..gal. .90 - 1.00
special resin grade, dms., c.l., works..lb. .10¾- —
l.c.l., same basis..lb. .11¼- —
Crotonic, dms., works..lb. .75 - 1.00
Diethylbarbituric (see Barbital).
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l..lb. .10½- —
l.c.l., 25 and over..lb. .11 - —
1-24..lb. .11¼- —
inland territory, cbys., c.l...lb. .1185- —
l.c.l., 25 and over...lb. .1235- —
1-24..lb. .1285- —
southern territory, cbys., c.l. lp..lb. .1170- .1240
l.c.l., 25 and over..lb. .1220- .1290
1-24..lb. .1270- .1320
Fumaric, bbls..lb. .75 - —
Gallic, tech., bbls..lb. .70 - .73
N. F., VI, bbls., 200 lbs., 5 or more..lb. .77 - —
single bbls..lb. .80 - —
fib. dms., 25 lbs..lb. .81 - —
Gamma, bbls..lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls..lb. .50 - .55
Hempseed oil, dms..lb. .1180- .1225
Hydriodic, 47%, bots..lb. 2.20 - 2.25
57%, bots..lb. 2.65 - 2.70
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct, cbys..lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works...lb. .80 - 1.00
Hydrofluoric, 30%, bbls..lb. .07 - .0750
lead, cbys..lb. .09 - .0950
48%, lead cbys..lb. .1150- .12
52%, lead cbys..lb. .1250- .13
60%, lead cbys..lb. .15 - .1550
Hydrofluosilicic, 30-35%, bbls..lb. .10½- .15
Hypophosphorus, USP 30%, djns..lb. .75 - —
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works. 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works. 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11¼
plastic grade..lb. .12¼- .13¼
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade..lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11¼- .12¼
plastic grade..lb. .13¼- .14¼
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys..lb. .21¼- .22¼
USP, X, 85%, cbys..lb. .42 - .45
USP, VIII, 75%, cbys..lb. .40 - .42
Lauric, split, dms..lb. .08½- .09
Laurent's, bbls..lb. .45 - —
Linseed oil, dark or light, dms..lb. .1260- .1300
tanks..lb. .1200- —
extra white, dms..lb. .13¼- .13½
Maleic, powd., dms..lb. .30 - .40
anhydride, dms..lb. .33 - .43
Malic powd., kegs..lb. .45 - .60
Mandelic, bots..lb. 2.80 - —
fib. dms..lb. 2.05 - 2.20
Mixed, tanks, nitric unit...lb. .05 - .06
sulphuric unit..lb. .0085- .009
Monochloroacetic, tech., bbls.lb. .15 - .17
Monosulphonic, bbls..lb. 1.50 - 1.60
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works..100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9, works..100 lbs. 2.70 - —
tanks, works..100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works..100 lbs. 3.20 - —
tanks, works..100 lbs. 1.65 - —
C.P., U.S.P., dealers, cbys.lb. .06½- —
6-lb. bots..lb. .18½- —
consumers, cbys..lb. .08 - —
6-lb. bots..lb. .20 - —
Myristic, dms..lb. .15½- .16
white, redist., dms..lb. .17 - .17½
Naphthenic, S.V. 120-200, dms., lb. .07 Nom.
210-230, dms..lb. .09 Nom.
240-280, dms..lb. .10 Nom.
sludges, dms..lb. .05 Nom.
Neville & Winther's, bbls....lb. .63 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works..100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works 100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works 100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
Nitric, 42°, cbys., l.c.l., 25 and over works..100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., U.S.P., dealers, cbys... lb. .11½- —
7-lb. bots..lb. .22½- —
consumers, cbys..lb. .13 - —
7-lb. bots..lb. .24 - —
Oleum (see Sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities..lb. .12 - .14
Palm oil, d. dist., dms..lb. .0685- .0760
s. dist., dms..lb. .0625- .0700
Perilla, dist., dms..lb. .17 - .17½
Phenylacetic, bots..lb. 1.85 - 3.25
Phosphoric, tech., 50%, cbys.lb. .06 - —
75%, cbys..lb. .09 - —
USP, 85%, s. g. 1,710, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs..lb. .15 - —
50% s.g., 1347, cbys., 70 lbs., lb. .12 - —
djns., 25 lbs..lb. .15 - —
10%, dilut., cbys., djns..lb. .07 - .07½
Pieramic, kgs..lb. .65 - .70
Picric, bbls..lb. .35 - —
Propionic ref., cbys., works.lb. .25 Nom.
dms., works..lb. .22 Nom.
tech., cbys., works..lb. .20 Nom.
dms., works..lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 - —
cns..lb. 1.10 - —
USP, cryst., cns..lb. 1.45 - 1.63
resubl., cns..lb. 2.05 - 2.15
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, dms..lb. .38 - —
tech., bbls..lb. .13 - —
Salicylic, tech., bbls..lb. .33 - —
USP, bbls..lb. .40 - .45
Sebacic, C.P., bbls., works..lb. .58 - —
tech., bbls., works..lb. .37 - .41
Soybean oil, dist., dms..lb. .09 - .09½
Stearic, distil., double pressed, bgs., dlvd..lb. .11 - .12
single pressed, bgs., dlvd.lb. .10½- .11½
triple pressed, bgs., dlvd.lb. .13¾- .14¾
saponif., double pressed, bgs., dlvd..lb. .11¾- .12¼
triple pressed, bgs., dlvd.lb. .14 - .15
Succinic, bbls..lb. .75 - —
Sulphanilic, CP, bots, works.lb. 1.60 - 1.65
tech., dms., works..lb. .17 - —
Sulphonaphthenic, dms..lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works..ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works..ton.16.50 - —
98%, tanks, works..ton.17.50 - —
C.P., U.S.P., dealers, cbys.. lb. .06½- —
9-lb. bots..lb. .16½- —
consumers, cbys..lb. .08 - —
9-lb. bots..lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms...lb. .40 - .47
USP, fluffy, bbls., 1,000 lbs.lb. .88 - —
100-lb. lots..lb. .90 - —
25-lb. lots..lb. .93 - —
powd., bbls., 1,000 lbs....lb. .78 - —
smaller lots..lb. .80 - —
Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .24¼- —
smaller quantities..lb. .24¾- —
kgs..lb. .25¼- —
Tobias, bbls..lb. .65 - —
Trichloroacetic, bots..lb. 2.00 - 2.50
Tungstic, CP, kgs..lb. No prices
tech., kgs..lb. No prices
Aconite, leaves, bls..lb. .30 - .32
Root, bls..lb. .29 - .32
Aconitine, amorph., bots..oz.17.00 -18.00
vis..gr. .06 - .09
cryst., bots..oz.30.00 - —
vis..gr. .09 - .11
Adeps lanae, anhyd., dms....lb. .17½- .19
hyd., dms..lb. .16 - .18
Agar, 1, bls..lb. .95 - 1.00
2, bls..lb. .90 - .95
3, bls..lb. .68 - .70
Agaric, white, bls..lb. 3.20 - 3.25
Albumen, blood, dark, flake, bgs., c.l., f.o.b. Chicago, frt. alld..lb. .11 - —
l.c.l., bgs., same basis..lb. .13 - .15
pow'd, grade A, same basis, ton lots..lb. .15 - —
smaller lots, Chicago....lb. .18 - —
light, dom., flake, dms., Chicago..lb. .52 - .60
import, bgs..lb. .50 - —
Egg, ed., dom., drums..lb.1.10-1.15 Nom.
import, cs..lb. .85 Nom.
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .133 - —
l.c.l., frt. alld..lb. .143 - —
tanks, frt. alld..lb. .123 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms..lb. .10 - —
tanks, same terms..lb. .08½- —
Benzyl, cans..lb. .68 - —
drums..lb. .63 - —
Butyl, normal, dms., c.l., frt. alld..lb. .10 - —
l.c.l., frt. alld..lb. .10¼- —
tanks, frt. alld..lb. .09 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .07 - —
l.c.l., same terms..lb. .07½- —
tanks, same terms..lb. .06 - —
tertiary, denating, dms., frt. alld..lb. .14 - —
Capyrl, pure, dms., works...lb. 2.50 - —
tech., dms., works..lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs..lb. 1.70 - —
100 lbs..lb. 1.80 - —
25 lbs..lb. 1.90 - —
5 lbs..lb. 2.00 - —
coml., dms..lb. .95 - —

Acacia—Alum

Alcohol, cetyl, import, 85%, dms. 100 lbs. .55 - —
5 to 10 lbs..lb. .75 - —
coml., dms., 350 lbs..lb. .45 - —
Cinnamic, bots..lb. 2.00 - 2.50
Denatured, CD11, 12, 13, dms., c.l., works, E..gal. .35 - —
l.c.l., works, dms., dealer and industrial accounts. gal. .40 - —
jobber accounts...gal. .38 - —
tanks, E., works..gal. .29 - —

Prices for territories other than E. of Rockies, 3c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works..gal. .34 - —
19 bbls., E. works...gal. .36 - —
1 to 18 bbls., E. works, gal. .39 - —
dms., c.l., E. works....gal. .33 - —
19 dms., E. works...gal. .35 - —
1 to 18 dms., E. works, gal. .38 - —
tanks, E. works.....gal. .27 - —

Anhydrous, 5c. per gal. higher.

SD23-G, works, E., dms., c.l., gal. .37½- —
19 dms.....gal. .39½- —
1 to 18 dms.....gal. .42½- —
tanks .....gal. .31½- —

Prices for territories other than E. of Rockies, 3c. per gal. higher.

Special solvent, dms., c.l., E. works..gal. .34 - —
20 dms., E. works...gal. .36 - —
1 to 19 dms., E. works, gal. .39 - —
tanks, E. works.....gal. .28 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, pure, contract, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .12 - —
tech., contract, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11 - —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.18 - —
19 bbls.....gal. 4.16 - —
1 to 18 bbls.....gal. 4.18 - —
dms., c.l.....gal. 4.12 - —
19 dms.....gal. 4.14 - —
1 to 18 dms.....gal. 4.17 - —
tanks .....gal. 4.06 - —
absolute, dms., c.l.....gal. 4.42 - —
19 dms.....gal. 4.44 - —
1 to 18 dms.....gal. 4.47 - —

Grain alcohol 45c. per gal. higher.

Furfuryl, tech., cns., works..lb. .45 - —
dms., c.l., 33,000 lbs., works, lb. .30 - —
l.c.l., 500 lbs. and more, works..lb. .35 - —
Hexyl, secondary, dms., c.l., frt. pd. E. of Rocky Mts.lb. .10 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies.lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08¼- —
Isopropyl, 99%, c.l., dms., f.o.b., dest..gal. .36 - —
l.c.l., same basis.....gal. .41 - —
tanks, same basis.....gal. .31 - —
refd., 91%, dms., c.l., same basis..gal. .36 - —
l.c.l., same basis.....gal. .41 - —
tanks, same basis.....gal. .31 - —
tech., 91%, dms., c.l., same terms..gal. .33½- —
l.c.l., same terms....gal. .38½- —
tanks, same terms....gal. .28½- —
98%, dms., c.l., same terms, gal. .37½- —
l.c.l., same terms....gal. .42½- —
tanks, same terms....gal. .32½- —
Methyl (see Methanol)
Phenylethyl, bots., cns.....lb. 2.70 - 4.25
Propyl (see Isopropyl)
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .80
Aldol, 95%, dms., c.l., works..lb. .21 - —
l.c.l., works.....lb. .25 - —
Aletris root, bgs.....lb. .45 - .50
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .10 - .11
Aloe, Barbados, true, cs.....lb. .85 - .90
Cape, cs.....lb. .20 - .21
Curacao, cs.....lb. .35 - .37
gourds, bbls.....lb. .50 - .55
Socotrine, kgs.....lb. .60 - .62
Aloin, 140-lb. bbls.....lb. 2.00 - —
100-lb. kegs.....lb. 2.02 - —
25-lb. fib. dms.....lb. 2.00 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .52 - —
Althea root, cube cut, bls.....lb. .50 - .52
Alum, ammonia, burnt, USP, bbls. kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.15 - 3.40
dlvd. N.Y., Phila..100 lbs. 3.15 - —
lump, bbls., works....100 lbs. 3.40 - 3.65
dlvd. N.Y., Phila..100 lbs. 3.40 - —
powd., bbls., works....100 lbs. 3.55 - 3.80
dlvd. N.Y., Phila..100 lbs. 3.55 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or ex warehouse.

Potash, gran,, bbls., works, 100 lbs. 3.40- 3.65
dlvd. N.Y., Phila..100 lbs. 3.40 - —
lump, bbls., works....100 lbs. 3.65 - 3.90
dlvd. N.Y. Phila..100 lbs. 3.65 - —

Alum—Amyl Butyrate

Alum, potash, powd., bbls., works. 100 lbs.	3.80	- 4.05
dlvd. N.Y., Phila..100 lbs.	3.80	- —
Potash alum prices on same basis as those for ammonia alum.		
Alum, potash-chrome, bbls....lb.	.06¼	- .06½
Soda, bbls., c.l., works..100 lbs.	3.25	- —
l.c.l., dlvd.....100 lbs.	4.25	- 5.00
Alumina acetate, C.P. 20% solut., bbls..lb.	.09	- .10
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb.	.05	- —
12,000 to 40,000 lbs., works..lb.	.06	- —
1,100 to 11,000 lbs., works..lb.	.07	- —
140 to 875 lbs., works.lb.	.08	- —
100 lbs., or less, works.lb.	.09	- —
cryst., com'l, dms., c.l., works..lb.	.06	- —
l.c.l., dms., works.....lb.	.06½	- —
solution, 32 deg., cbys., c.l., works..lb.	.02¾	- —
l.c.l., cbys., works.....lb.	.03¼	- —
Hydrate, heavy, bbls., c.l., works..lb.	.0290	- —
l.c.l., bbls.....lb.	.03½	- —
bgs., c.l.....lb.	.0260	- —
light, bbls., dlvd.....lb.	.12	- —
Oleate, dms., contr.....lb.	.16¾	- —
open order.....lb.	.17½	- .18½
Palmitate, precip., bbls.....lb.	.23	- —
Resinate, precip., dms., dlvd.lb.	.15	- —
Stearate, precip., bbls., ctns., c.l..lb.	.19	- —
l.c.l., ton.....lb.	.20	- —
less than ton.....lb.	21	- —

Alumina sulphate, com'l bgs., c.l., works, frt. equaled.100 lbs.	1.35	- —
l.c.l., works, frt. equald.. 100 lbs.	1.60	- —
bbls., c.l., works, frt. equald. 100 lbs.	1.55	- —
l.c.l., works, frt. equald. 100 lbs.	1.80	- —
iron-free, bgs., c.l., works... 100 lbs.	2.00	- —
l.c.l., works.....100 lbs.	2.25	- 2.40
truckloads, bgs.....100 lbs.	2.40	- —
10 to 24, dlvd. met. N.Y. 100 lbs.	2.55	- —
5 to 9, dlvd. met. N.Y. 100 lbs.	2.80	- —
1 to 4, dlvd. met. N. Y. 100 lbs.	3.30	- —
bbls., c.l., works....100 lbs.	2.20	- —
l.c.l., works.....100 lbs.	2.45	- —
truckloads, dlvd., met. N.Y. 100 lbs.	2.60	- —
10 to 24, dlvd. met. N.Y. 100 lbs.	2.75	- —
5 to 9, dlvd. met. N.Y. 100 lbs.	3.00	- —
1 to 4, dlvd. met. N.Y. 100 lbs.	3.50	- —
Aluminum, 98-99%, dms., c.l....lb.	.20	- —
l.c.l. .....lb.	.21	- —
paste, extra fine lining, dms., 30,000 lbs., frt. alld. E. of Miss..lb.	.63	- —
5,000 lbs., same basis..lb.	.64	- —
1,500 lbs., single shipt., same basis..lb.	.65	- —

On 1,500-lb. orders in split shipment the price is ½c. higher in lots of 400 lbs. and more; 1c. higher in lots of 200-399 lbs.; 3c. higher in lots of 10-199 lbs.; on smaller orders the price is higher than the 1,500-lb. basis by 1c. in lots of 1,000 lbs. and more; 2c. on 400-999 lbs.; 5c. on 200-399 lbs.; 10c. on 10-199 lbs.

Aluminum paste— ink, dms., 30,000 lbs., same basis..lb.	.73	- —
6,000 lbs., same basis...lb.	.74	- —
1,500 lbs., single shipt., same basis..lb.	.75	- —
split shipts. (see note fine lining paste).		
standard, dms., 30,000 lbs., same basis..lb.	.41	- —
5,000 lbs., same basis...lb.	.42	- —
1,500 lbs., single shipt., same basis..lb.	.43	- —
split shipts. (see note fine lining paste).		
powder, lining, extra fine, dms., 30,000 lbs., same basis..lb.	.90	- —
5,000 lbs., same basis..lb.	.91	- —
1,500 lbs., single shipt., same basis..lb.	.92	- —
split shipts. (see note fine lining paste).		
standard, dms., 30,000 lbs., same basis..lb.	.55	- —
5,000 lbs., same basis..lb.	.56	- —
1,500 lbs., single shipt., same basis..lb.	.57	- —
split shipts. (see note fine lining paste).		
litho, extra brilliant, dms., 30,000 lbs., same basis. lb.	.41	- —
5,000 lbs., same basis.lb.	.42	- —
1,500 lbs., single shipt., same basis..lb.	.43	- —
split shipts. (see note fine lining paste).		
extra fine, dms., 30,000 lbs., same basis..lb.	.45	- —
5,000 lbs., same basis..lb.	.46	- —

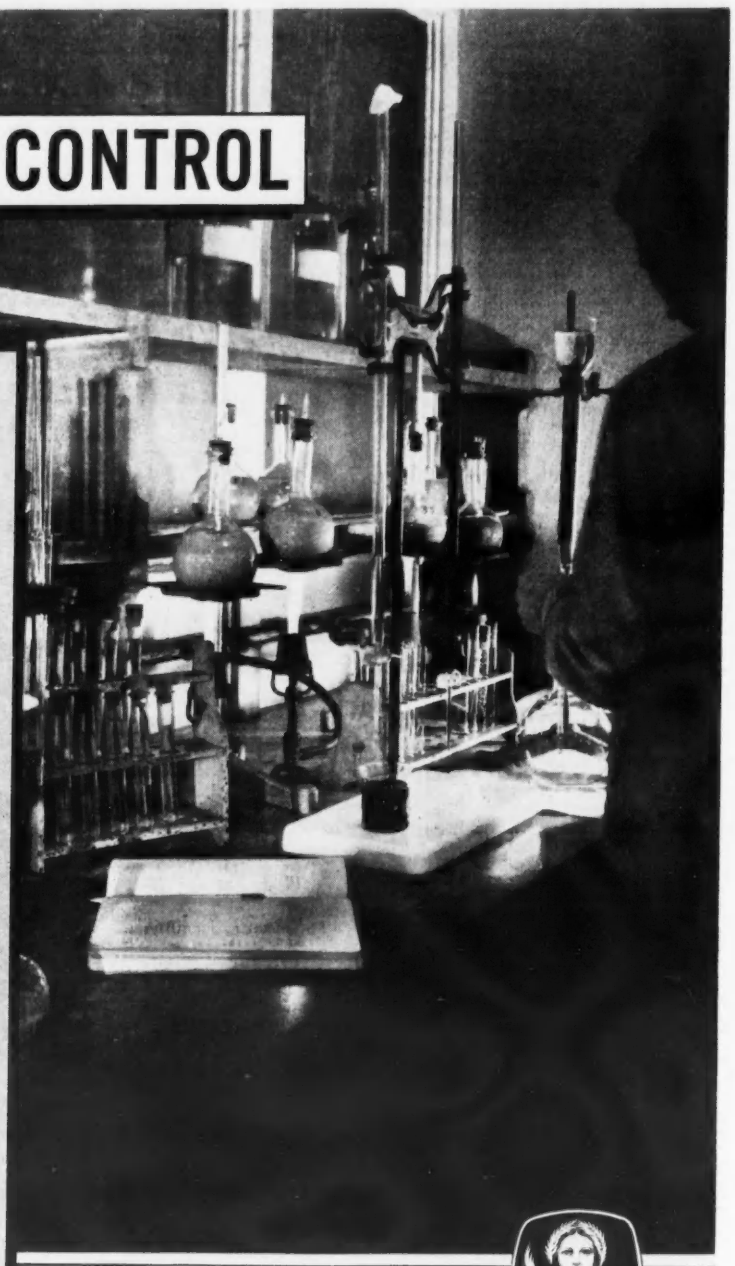
Aluminum powder, litho, extra fine, dms., 1,500 lbs., single ship., same basis..lb.	.47	- —
split shipts. (see note fine lining paste).		
standard dms., 30,000 lbs., same basis..lb.	.40	- —
5,000 lbs., same basis..lb.	.41	- —
1,500 lbs., single shipt., same basis..lb.	.42	- —
split shipts. (see note fine lining paste).		
wallpaper, dms., 30,000 lbs., same basis..lb.	.41	- —
5,000 lbs., same basis..lb.	.42	- —
1,500 lbs., single shipt., same basis..lb.	.43	- —
split shipts. (see note fine lining paste).		
rubber comp., dms., 30,000 lbs., same basis..lb.	.38	- —
5,000 lbs., same basis..lb.	.39	- —
1,500 lbs., single shipt., same basis..lb.	.40	- —
split shipts (see note fine lining paste).		
unpolished, dms., 30,000 lbs., same basis..lb.	.35	- —
5,000 lbs., same basis..lb.	.36	- —
1,500 lbs., single shipt., same basis..lb.	.37	- —
split shipts. (see note fine lining paste).		
varnish, extra brilliant, dms., 30,000 lbs., same basis.lb.	.41	- —
6,000 lbs., same basis..lb.	.42	- —
1,500 lbs., single shipt., same basis..lb.	.43	- —
split shipts. (see note fine lining paste).		
extra fine, dms., 30,000 lbs., same basis..lb.	.45	- —
5,000 lbs., same basis..lb.	.45	- —
1,500 lbs., single shipt., same basis..lb.	.47	- —
split shipt. (see note fine lining paste).		
standard, dms., 30,000 lbs., same basis..lb.	.40	- —
5,000 lbs., same basis.lb.	.41	- —
1,500 lbs., single shipt., same basis..lb.	.42	- —
split shipts. (see note fine lining paste).		
Ambergris, gray, tins.....oz.	17.00	-36.00
Aminopyrine, fib., dms., 100 lbs.. lb.	4.00	- —
bots., 5 lbs.....lb.	4.22	- 4.25
Ammonia, acetate, kgs.....lb.	.26	- .33
Aldehyde, dms. .....lb.	.65	- .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.). works..lb.	.04½	- —
refrigeration, tanks, works..lb.	.05	- —
pure, cyls., dlvd., met. N.Y.. lb.	.16	- .22

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb.	.05¼	- —
dms., c.l.....lb.	.02¼	- —
l.c.l. .....lb.	.02½	- —
tanks (on NH_3 content), dlvd., E..lb.	.05	- .05½
Benzoate, dms., 4,000 lbs. or more..lb.	.41	- .42
1,000 lbs. to 3,900 lbs....lb.	.42	- .43
900 lbs. or less.....lb.	.45	- .46
kgs., 4,000 lbs. or more...lb.	.40	- —
1,000 lbs., to 3,900 lbs...lb.	.41	- —
900 lbs. or less.....lb.	.44	- —
Bicarbonate, bbls., c.l., works, 100 lbs.	5.15	- —
l.c.l., dlvd. N. Y....100 lbs.	5.71	- —
Bichromate, bbls.....lb.	.32	- —
Bifluoride, bbls.....lb.	.17	- .19
Borate, bbls., kgs.....lb.	.15	- .16
Bromide, gran., bbls.....lb.	.35	- —
bxs. .....lb.	.38	- .39
kgs. .....lb.	.36	- —
Carbonate, tech., dom., bbls. lb.	.08	- .12½
imported, caks. .....lb.	.08	- .12½
USP, lump, dms.....lb.	.08	- .11
powd., bbls., dms.....lb.	.09	- —
Chloride, tech. (see Ammoniac, sal).		
U.S.P., gran., bbls.....lb.	.11	- .16
kgs. .....lb.	.15	- —
Citrate, dms. .....lb.	.80	- —
cns. .....lb.	.85	- —
Fluoride, bbls. .....lb.	.17	- .19
Hydroxide, (see Ammonia, aqua),		
Hypophosphite, fib., dms....lb.	1.10	- 1.17
jars .....lb.	1.20	- —
Iodide, 5-lb. bots.....lb.	3.32	- —
jars .....lb.	3.25	- —
Laurate, bbls. .....lb.	.23	- —
Linoleate, 80%, anhyd., bbls.lb.	.15	- —
Naphthenate, bbls. .....lb.	.17	- —
Nitrate, tech., bags, c.l., works, 100 lbs.	3.60	- —
l.c.l., works.....100 lbs.	3.85	- —
bbls., c.l., works.....100 lbs.	3.80	- —
l.c.l., works.....100 lbs.	4.05	- —
Oleate, dms. .....lb.	.15	- —
Oxalate, neutral, cryst., powd., bbls., kgs..lb.	.19	- .20
Perchlorate, kegs.....lb.	.16	- —
Persulphate, kgs.....lb.	.21	- —
Phosphate, dibasic, N.F.V., bls., lb.	.37	- —
kgs. .....lb.	.39	- —
tech., bbls., c.l. .....lb.	.07½	- —
l.c.l. .....lb.	.09	- .10
monobasic, crude (fertilizer grade), 11% N 18% phos., bulk, f.o.b. E. works.. unit-ton.	1.20	& .70
pure, bbls. .....lb.	.40	- .45
tech., bbls., c.l. .....lb.	.07½	- —
l.c.l. .....lb.	.09	- .10
Ricinoleate, bbls. .....lb.	.15	- —
Salicylate, U.S.P., kgs.....lb.	1.15	- 1.20
Sulphate, dom., bulk, c.l., f.o.b. ports or ovens.ton.	29.50	- —

Ammonia sulphate bag packing charged extra at $1.30 per ton for 200's and $2 per ton for 100's. Deliveries in Ill., Mich., Ind., Ohio, Wis., and Ohio river destinations in Ky. are f.o.b. ovens freight allowed.

Sulphide, liquid, 35-40%, basis 100%, dms,, works..lb.	.12	- .15
tanks, delvd. .....lb.	.11	- —
Sulphocyanide, com'l, fib., dms., 2,000 lbs., works.....lb.	.14	- —
smaller lots, works.....lb.	.16	- —
pure, 99-100%, kgs. .....lb.	.55	- —
Ammoniac, gum (see Gum, ammoniac).		
Sal. gray, dom,, bbls., c.l., 100 lbs.	5.50	- 5.75
l.c.l. .....100 lbs.	6.60	- 6.70
white, gran., dom., bbls., contracts, N. Y., l.c.l. 100 lbs.	4.90	- 5.05
import, caks. .....100 lbs.	5.00	- 5.05
Amyl acetate, ex fusel oil, dms., c.l., works..lb.	.11	- —
l.c.l., frt., alld.....lb.	.11½	- —
tanks, works.....lb.	.10	- —
ex pentane, dms., frt. alld.lb.	.125	- —
l.c.l., frt., alld.....lb.	.135	- —
tanks, frt., alld.....lb.	.115	- —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb.	.09½	- —
l.c.l., same terms.....lb.	.10	- —
tanks, same terms.....lb.	.08½	- —
Alcohol (see Alcohol amyl),		
Butyrate, dms., 50 gal., returnable..lb.	.75	- —



TECHNICAL CONTROL

Process...

Mapico Colors are pure iron oxides made by a chemical process. An iron salt solution is precipitated with a basic precipitant and the resultant hydroxide is oxidized to the oxide under definite conditions of temperature and concentration. Throughout this process the rigid technical control is exercised to assure conformity to exact specifications.

MAPICO

MAPICO COLORS

Pure Oxides of Iron

YELLOWS · BROWNS
REDS · BLACK

Technical inquiry is invited

DIVISION OF COLUMBIAN CARBON COMPANY

MAGNETIC PIGMENT CO.

BINNEY & SMITH CO. *Distributors*

41 East 42nd St., New York, N. Y.

Amyl, Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .07 - —
c.l., works.....lb. .077 - —
tanks, works.....lb. .06 - —
Cinnamic aldehyde, cns.....lb. 2.00 - 2.25
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works.lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, bots., 5 lbs.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.30 - 1.35
Angelica root, dom., bls.....lb. .16 - .23
import, natural, bls.....lb. .20 - .22
twisted, bls.....lb. .30 - .40
Angostura bark, bls.....lb. .40 - .45
Anilin oil, dms.....lb. .15 - .16
tanks.....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish, bgs.....lb. .11¾- .12¼
Star, bgs.....lb. .14 - .15
Anisic aldehyde, bots.....lb. 3.00 - 3.10
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .07½- .08
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride)
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .13¾- —
Needle, powd., bbls.....lb. .14 - .16
Oxide, bbls., c.l.....lb. .12½- —
l.c.l.....lb. .13 - —
Salts, 65%, kgs.....lb. .26 - .27
White, pigment, bgs., c.l., Texas works, frt. alld. to ½c..lb. .12½- .15¼
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apemorphine, bots.....oz. 23.20 -23.70
Archil extract, con., bbls.....lb. .21 - .27
double, bbls.....lb. .18 - .20
triple, bbls.....lb. .18 - .20
Areca nuts, powd., bbls.....lb. .11 - .12
Arecoline hydrobromide, bots..oz. 4.35 - 4.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. 32.00 -34.00
Arnica flowers, bls.....lb. .30 - .35
Root, bls.....lb. .45 - .46
Arrowroot, St. Vincent, powd., bgs..lb. .08¾- .08¾
bbls.....lb. .08½- .09
Arsenic iodide (arsenous), 5 lb. bots..lb. 5.15 - —
jars.....lb. 5.00 - —
Metal, lump, cs.....lb. .42 - .43
Red, import, cs.....lb. .15¾- .16½
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .63 - —
l.c.l.....lb. .03¾- —
Arsenous chloride, cns.....lb. 4.85 - —
Asafetida, cs.....lb. .19 - .20
powd., bbls., bxs.....lb. .55 - .75
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M. bgs., c.l. (20 tons), Canad. mines..ton. 42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton. 30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton. 25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 19.00 - —
7K, bgs., c.l. (30 tons), Canad. mins..ton. 16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton. 14.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02¼- —
smaller lots, f.o.b. N. Y.lb. .03¼- —
AA, bgs., 20 tons, f.o.b. N.Y., lb. .08½- —
smaller lots, f.o.b. N. Y.lb. .10½- —
California, dms., c.l., f.o.b. N.Y. ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton. 60.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y.lb. .12 - —
l.c.l., f.o.b. N.Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton. 32.90 - —
seconds, bgs., c.l., Western shipt. points.....ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton. 49.50 - —
Jet., bgs., c.l., Western shipping points..ton. 30.50 - —
Maltha, dms., c.l., f.o.b. N.Y. ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery.....ton. 21.00 - —
tanks, refinery.....ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif. refinery...ton. 12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Wyo., refinery.....gal. .07½- —
Atropine, bots.....oz. 5.25 - 5.80
Sulphate, bots.....oz. 2.85 - 2.95
cns.....oz. 2.80 - —

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .22 - .25
Tree bark, bls.....lb. .10 - .11
Barbital, cs.....lb. 3.25 - 3.30
Barium carbonate, natural, 90%, grd., bgs., c.l., works..ton. 44.00 - —
99%, 200 mesh, bgs., c.l., works..ton. 47.00 - —
precip., bgs., c.l., works...ton. 52.50 - —
bbls., works.....ton. 57.50 - —
l.c.l., bgs., works.....ton. 57.50 - —
bbls., works.....ton. 62.50 - —
sulphur-free bgs., bbls., c.l., works..ton. 57.50 -62.50
Chlorate, kgs.....lb. .16½- .17¼
Chloride, C.P., cryst., bbls..lb. .19 - —
dms.....lb. .20 - —
tech., doms., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton. 77.00 - —
Barium chloride, tech., dom., crys., bbls., same basis....ton. 79.00 - —
l.c.l., bgs., same basis, ton. 90.00 - —
bbls., same basis..ton. 92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N. & S. Carolina, Ga., Ala., Miss., Fla...ton. 81.00 - —
bbls., same basis..ton. 83.00 - —
l.c.l., bgs., same basis, ton. 94.00 - —
bbls., same basis..ton. 96.00 - —
Zone 3, bgs., c.l., dlvd., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton. 87.00 - —
bbls., same basis..ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis..ton. 102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton. 83.00 - —
bbls., same basis..ton. 85.00 - —
l.c.l., same basis....ton. 96.90 - —
bbls., same basis..ton. 98.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. .11½- .12
Fluosilicate, bbls.....lb. .11½- .12
Hydrate (see Hydroxide).
Hydroxide, bbls.....lb. .04¾- .05½
Iodide, bots.....lb. 4.30 - 4.45
Monoxide (see Oxide).
Nitrate, cks.....lb. .07 - .08¼
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs.....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton. 23.65 - —
l.c.l., ex whse., Boston, ton. 26.00 - —
Chicago.....ton. 31.15 - —
Cleveland.....ton. 33.50 - —
New York.....ton. 32.00 - —
paper bgs., c.l., St. Louis, ton. 22.85 - —
l.c.l., ex car, Baltimore, ton. 30.70 - —
Boston.....ton. 31.70 - —
Philadelphia.....ton. 30.50 - —
ex whse., Baltimore..ton. 32.10 - —
Boston.....ton. 35.20 - —
Chicago.....ton. 30.35 - —
Cleveland.....ton. 33.00 - —
Detroit.....ton. 33.00 - —
Kansas City.....ton. 30.93 - —
Los Angeles.....ton. 42.00 - —
New York.....ton. 31.50 - —
Philadelphia.....ton. 31.90 - —
San Francisco.....ton. 42.00 - —
Toronto.....ton. 39.30 - —
Southern off color, bulk, mines..ton. 12.00 - —
95,75%, bulk, mines.....ton. 16.00 - —
ore, bulk, mines, long ton. 7.00 - —
German, grd., bbls., c.l., dock., t.a..ton. 25.00 -26.00
l.c.l., ex whse.....ton. 30.00 - —
ungrd., bulk, c.l., ex dock, ton. 13.00 -14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton. 29.50 Nom.
l.c.l., ex whse.....ton. 32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....gal. .71¼ Nom.
Bayberry bark, bgs.....lb. .15 Nom.
Belladonna leaves, bls.....lb. .14 - .15
Root, bls.....lb. .11 - .12
Bentonite, 200 mesh, bgs., Wyo. works..ton. 11.00 - —
325 mesh, bgs., Wyo. works, ton. 16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .60 - .70
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha..gal. .16 - —
Benzol tankcar prices, West, f.o.b. works. sellers'
Benzoyl chloride, dms.....lb. .40 - .47
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms.....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cns..lb. .94 - —
dms.....lb. .89 - —
Chloride, 95-97%, refd., dms.lb. .30 - .40
tech., dms.....lb. .25 - .26
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.20 @ 3.50
Berberine bisulphate, cns.....lb. 16.75 - —
Hydrochloride, cns.....lb. 16.75 - —
Sulphate, cns.....lb. 16.75 - —
Berberis root, bls.....lb. .15 - .16
Betanaphthol, subim., bbls.....lb. .55 - —
kgs.....lb. .60 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib, dms.....lb. 2.10 - —
kgs.....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51
Beth root, bls.....lb. .20 - .22
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars.....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns.....lb. 3.15 - —
Metal, ton lots.....lb. 1.00 - —
Nitrate, cryst., 5-lb. bots...lb. 1.34 - —
cns.....lb. 1.20 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs.....lb. 2.95 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 -
fib. dms.....lb. 1.13 - 1.16
Subcarbonate, bots., cns.....lb. 1.22 - 1.48
fib. dms.....lb. 1.13 - 1.16
X-ray, 5-lb. bots.....lb. 2.42 - —
fib. dms.....lb. 2.36 - —
Subgallate, bots., cns.....lb. 1.42 - 1.68
fib. dms.....lb. 1.33 - 1.36
Subiodide, cns.....lb. 3.91 - —
fib. dms.....lb. 3.88 - —
Subnitrate, powd., bots., cns., lb. 1.12 - 1.38
fib. dms.....lb. 1.03 - 1.06
Subsalicylate, 62-66%, bxs..lb. 2.44 - —
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots..lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns.....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns.....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16½- —
1, bbls., bgs., c.l., frt. alld. E. lb. .12½- —
l.c.l., frt. alld. E.....lb. .13 - —
2, bbls., bgs., c.l., frt. alld. E. lb. .10½- —
l.c.l., frt. alld, E.....lb. .11 - —
Black, bone, 3, bbls., bgs., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld, E.....lb. .10 - —
4, bbls., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld, E.....lb. .09 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .07½- —
l.c.l., frt. alld, E.....lb. .08 - —
6, bbls., bgs., c.l., frt. alld. E. lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .09 - —
l.c.l., frt. alld. E.....lb. .09½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., works..lb. .05 - —
l.c.l., dlvd.....lb. .07½- —
ctns., l.c.l., dlvd.....lb. .08¾- —
cs., l.c.l., dlvd.....lb. .09 - —
2, bgs., c.l., works.....lb. .08½- —
l.c.l., dlvd.....lb. .10½- —
cs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4 bgs., c.l., works.....lb. .27½- —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs, l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd., rail zone A (Gulf ports), for delivery in N. A. (water freights extra). lb. .0270- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .03 - —
50,000 lbs., dlvd., Zone C (Pac. Cst. States)..lb. .0315- —
30,000 lbs., dlvd., Zone C, Pac. Cst. States..lb. .0330- —
D (Ill., Ia., Wis.)..lb. .0315- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)...lb. .0330- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .0360- —
G (Mexico).....lb. .0380- —
l.c.l., f.o.b. whse.....lb. .05¾- —
bulk, tanks, same price as bags in each zone.
ctns., l.c.l., ex whse.....lb. .06¼- —
cs., l.c.l., ex whse.....lb. .07 - —
export, full, comprsd., cs., f.a.s. Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .05¼ Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .30 - .35
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .54 - —
l.c.l., works.....lb. .55 - —
Import, 1, bbls., c.l., f.o.b. N. Y..lb. .08 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Vine, A, bbls., works or N. Y. lb. .04¼- —
B, bbls., works or N. Y....lb. .06½- —
Black dyes are listed under dyes.
Black haw, root bark, bls.....lb. .27 - .28
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls...lb. .15 - .16
Blanc fixe, dry, by-product, bgs., c.l..ton. 55.00 - —
l.c.l.....ton. 60.00 - —
high grade precip., bgs., c.l., works, frt. equal..ton. 70.00 - —
l.c.l., same basis....ton. 75.00 - —
pulp, 66⅔%, bulk, c.l., works, ton. 40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.00 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi- unit-ton. 3.20 - —
import, bgs., c.l.f. ports, Feb. shipt., unit-ton. 3.25 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .14 - .15
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, dom., bbls., same basis alkali toner, contracts..lb. .45 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Soluble, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —

Amyl Caproate—Brown

Blue, Tungstated, peacock, kegs. lb. 4.00 - —
Victoria, kegs.....lb. 3.85 - —
Ultramarine, dry, jobbing, bbls., works, frt. equld..lb. .11 - —
regular 1, bbls., works, frt. equaled..lb. .16 - —
2, bbls., same basis....lb. .18 - —
3, bbls., same basis....lb. .19 - —
4, bbls., same basis....lb. .20 - —
5, bbls., same basis....lb. .23 - —
6, cobalt, A, same basis.lb. .27 - —
B, bbls., same basis.lb. .24 - —
C, bbls., same basis.lb. .23 - —
D, bbls., same basis.lb. .22 - —
7, A, bbls., same basis..lb. .23 - —
B, bbls., same basis...lb. .22 - —
special, 1, bbls., same basis lb. .19 - —
2, bbls., same basis....lb. .20 - —
3, bbls., same basis....lb. .22 - —
4, bbls., same basis....lb. .24 - —
5, bbls., same basis....lb. .25 - —
6, bbls., same basis....lb. .27 - —
pulp, 1, bbls., same basis..lb. .27 - —
2, bbls., same basis.....lb. .25 - —
3, bbls., same basis.....lb. .23 - —
4, bbls., same basis.....lb. .20 - —
Ultramarine, blue, dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 25-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Bluefag root, bls.....lb. .15 - .18
Blue mass, USP., cns., kgs...lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 4.25 - —
16-50 bbls., same basis, 100 lbs. 4.40 - —
6-15 bbls., same basis, 100 lbs. 4.50 - —
1-5 bbls., same basis, 100 lbs. 4.75 - —
monohydrated, dms., c.l. dealer, f.o.b. works..100 lbs. 8.65 - 8.90
l.c.l., dealers..100 lbs. 9.65 - 9.90
Bluestone (see Blue vitriol)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton. 26.00 -29.00
c.i.f. Atlantic ports...ton. 30.00 - —
import, bgs., c.i.f., ports..ton. 28.00 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton. 19.00 -20.00
import, 100-lb. bgs., c.i.f. ports, shipt..ton. 22.00 - —
phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon. 60% phos., bgs., f.o.b. Chicago..ton. 18.00 -19.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton. 21.50 - —
Borage flowers, bls.....lb. .20 - .21
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton. 58.00 - —
l.c.l., ex whse.....ton. 67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton. 48.00 - —
l.c.l., ex whse.....ton. 57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton. 52.00 - —
l.c.l., ex whse.....ton. 61.00 -66.00
sks., contracts, 80 tons min., dlvd..ton. 42.00 - —
l.c.l., ex whse.....ton. 51.00 -56.00
powd., bbls., contracts, 80 tons min., dlvd..ton. 57.00 - —
l.c.l., ex whse.....ton. 66.00 -71.00
sks., contracts, 80 tons min., dlvd..ton. 47.00 - —
l.c.l., ex whse.....ton. 56.00 -61.00
USP., $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 95 lbs., and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots.....lb. 1.75 - 2.00
cns.....lb. 1.50 - —
Brazilwood extract (see Hypernic),
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, U.S.P., bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 3.25 - 4.50
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .65
moulding, cns., dms., over 10 lbs..lb. .65 - .90
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls.....lb. .11 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .10 - —
Metallic, bbls., works.....lb. .02¼- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., works..lb. .03 - —
Italian, 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12¼- —
2, bbls., same basis....lb. .11¼- —
3, bbls., same basis....lb. .10¼- —
4, bbls., same basis....lb. .08¾- —
5, bbls., same basis....lb. .08¾- —
6, bbls., same basis....lb. .08¼- —
7, bbls., same basis....lb. .08 - —
8, bbls., same basis....lb. .07¾- —
9, bbls., same basis....lb. .07¼- —
10, bbls., same basis....lb. .06¾- —
11, bbls., same basis....lb. .06 - —
12, bbls., same basis....lb. .06¼- —
13, bbls., same basis....lb. .06 - —
14, bbls., same basis....lb. .05½- —
raw, American, bbls., works, lb. .02¾- —
Italian, 1, bbls., f.o.b. N. Y. or works.....lb. .12½- —
2, bbls., same basis....lb. .10¾- —
3, bbls., same basis....lb. .11 - —
4, bbls., same basis....lb. .09½- —
5, bbls., same basis....lb. .09 - —
6, bbls., same basis....lb. .08½- —
7, bbls., same basis....lb. .07¾- —
8, bbls., same basis....lb. .07¼- —
9, bbls., same basis....lb. .06¾- —
10, bbls., same basis....lb. .06 - —
11, bbls., same basis....lb. .05 - —
Umber, American, bbls., works, lb. .02¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N. Y.....lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .04½- —
ex dock, Portland, San Francisco, Seattle..lb. .04¾- —
ex whse. Boston.....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04¾- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04¼- —

Brown—Diphenylguanidin

Brown, Vandyke, bbls., l.c.l...lb. .05⅝- —
Walnut crystals, bbls.....lb. .05½- .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .45 - .46
Buckthorn bark, true, bls.....lb. .05 - .05½
Berries, bgs.....lb. .19 - .20
Burdock root, bls.....lb. .10 - .10½
Burgundy pitch, dom., bbls., c.l., works..lb. .05½- —
l.c.l., dlvd. E.....lb. .06¼- —
import, stands.....lb. .15 - .16
Butanes, coml., 16-32°, tanks, group 3..gal. .02¼- .03¾
Butternut bark, bls.....lb. .08 - .09
Butyl acetate, norm., dms., c.l., contract, frt. alld..lb. .10 - —
l.c.l., contract, frt. alld..lb. .10½- —
tanks, contract, frt. alld..lb. .09 - —
Secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .08 - —
l.c.l., same terms.....lb. .08½- —
tanks, same terms.....lb. .07 - —
Alcohol (see Alcohol):—
Butyl, aldehyde, dms., l.c.l....lb. .16½- .17½
Carbinol (see Carbinol).
Lactate, dms.....lb. .22½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .26 - —
Butyric ether, bots.....gal. 6.60 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium bromide, 100 lbs., works, frt. equal'd..lb. 1.66 - —
50 lbs., works.....lb. 1.71 - —
25 lbs., works.....lb. 1.76 - —
5 lbs., works.....lb. 1.91 - —
Iodide, bots.....lb. 4.16 - 4.21
Jars .....lb. 4.02 - —
Lithopone (see Yellow)
Metal, cs.....lb. 1.35 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs., or more.....lb. 2.25 - —
1,000 lbs., or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs., or more..lb. 2.23 - —
2,000 lbs., or more.....lb. 2.28 - —
1,000 lbs., or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cns., 10,000 lbs., or more..lb. 2.25 - —
2,000 lbs., or more.....lb. 2.30 - —
1,000 lbs., or more.....lb. 2.35 - —
100 lbs.....lb. 2.45 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cns., 25 lbs., or more. lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.91 4.99
Calabar beans, bgs.....lb. .25 - .26
Calamus root, bleached, cs.....lb. .45 - .50
peeled, bls.....lb. .10 - .12
Calcium acetate, bgs., dlvd.100 lbs. 1.65 - —
Arsenate, bgs., c.l., dealers, E. of Rockies..lb. .06¾- .07¼
W. of Rockies, bgs., dms., lb. .06¾- .07

Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.

Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms.....lb. .05 - .06
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-88%, paper bgs., c.l., dlvd..ton.23.00 -36.00
burlap bgs., dms., c.l., dlvd. ton.23.50 -36.50
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.78 - 2.43
liquor, basis 40%, tanks, works. ton. 7.50 - —
solid, dom., 73-75%, bgs, dms., c.l., dlvd..ton.21.50 -34.50
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.68 - 2.33
Gluconate, U.S.P., gran., powd., bbls., 125 lbs..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 3.70 - 3.85
Lactate, USP., bbls., 200 lbs.lb. .25 - —
Nitrate, bgs., to fert. mfrs., ex vessels, Camden, N. J., or f.o.b. cars, So. Atlantic ports. ton.28.00 - —
Palmitate, bbls.....lb. .22 - .23
Phosphate, dibasic, precip., 38-42% P_2O_5, bgs., c.i.f. Atlantic ports, shipt..unit-ton. .78 - —
tribasic, c.l., bbls., works..lb. .06½- —
l.c.l., bbls.....lb. .07½- —
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l...lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
Sulphate (see Gypsum).
Sulphide, 75% CaS (minus 100 mesh), c.l., works..ton.52.00 - —
l.c.l., works.....ton.56.00 - —
83/85 CaS, c.l., works....ton.58.00 - —
l.c.l., works.....lb.64.00 - —
luminous, dom., tins, works. 100 lbs. .75 - —
Sulphocarbolate, bbls., 200 lbs.lb. .48 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .38 - .39
Calomel, bbls., fib., dms., kgs., 50 lbs., or more..lb. 1.28 - —
Camphor, natural, powd., cs...lb. .55 - .56
slabs, cs.....lb. .55 - .56
tablets, tins.....lb. .60 - .61
synthetic, dmo., imp., gran., powd., bbls., 2,000 lbs.lb. .50 - —
500 lbs.....lb. .51 - —
100 lbs.....lb. .52 - —
Monobromate, bxs., kgs.....lb. 1.75 - 1.80
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs..lb. .0485- .0505
Morocco, bgs.....lb. .0485- .0505
Turkish, bgs.....lb. .0485- .0505
Canella alba bark, bls.....lb. .37 - .38
Cantharides, Chinese, cs.....lb. .70 - .75
powd., bxs.....lb. .95 - 1.00
Russian, cs.....lb. 1.25 - 1.30
powd., bxs.....lb. 1.60 - 1.65
Cansicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. .07¾- .08
Carbazole, 70-80%, dms., works.lb. .60 - —
90%, dms., works.....lb. .89 - —
95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works.lb. .85 - —
98.5-99%, dms., ton lots, works. lb. .75 - —
smaller quantities, works.lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Carbinol, butyl, secondary, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .36 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Methylpropyl, dms., works...lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works.lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd, E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .04½- —
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, 55-gal. or 110-gal. dms., c.l. (20 tons), frt. alld. E. of Miss. R., N. of Ohio R..lb. .05¼- —
l.c.l., same basis.....lb. .05¾- —
10-gal. dms., c.l. (20 tons), same basis..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
5-gal. dms., c.l. (20 tons), same basis..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tank s. same basis.....lb. .05 - —
Fire extinguisher liquid 1½c. lb. higher.
Cardamom, bleached, cs.....lb. 1.65 - 1.90
decorticated, cs.....lb. 1.20 - 1.25
green, bgs.....lb. .70 - .73
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .10⅜- .11
Case-hardening mixture, 30% lump, dms., l.c.l...lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .09 - —
5 tons, works.....lb. .10⅜- —
smaller lots, works.....lb. .11½- —
80-100 mesh, bgs., c.l., dlvd.. lb. .09½- —
5 tons, works.....lb. .11 - —
smaller lots, works.....lb. .11¾- —
Import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .11¾- —
80-100 mesh, bgs., c.l., duty pd..lb. .12¼- —
French, 30 mesh, bgs., c.l., duty pd..lb. .17 Nom.
Cassia, Batavia, 1, bgs.....lb. .15 - .15½
3, bls.....lb. .09¾- .10¼
short stick, bls.....lb. .12 - .12¾
China, rolls, select, cs.....lb. .07⅛- .07½
broken, extra bls.....lb. .05 - .05¼
Saigon, bls.....lb. .15⅝- .16
Cassia buds, cs.....lb. .18¼- .18½
Cassia fistula, bskts.....lb. .09 - .10
Castile soap, white, bars., cs., 40 lbs.11.75 -12.50
powd., bbls.....lb. .28 - .35
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5% ammon., bgs., c.l., works..ton.21.00 Nom.
import, bgs., c.l.f., ports, shipment..ton.21.00 - —
Catnep leaves, bls.....lb. .18 - .19
Celery seed, French, bgs.....lb. .15½- .15½
Indian, bgs. .....lb. .13½- .14
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, cs., works..lb. .40 - —
Cellulose, acetobutyrate, 501 lbs. and over, works..lb. .52 - —
101 lbs., works.....lb. .58 - —
smaller lots, works.....lb. .55 - —
Cement, white, bbls., (4 bgs), 5 tons, dlvd. N. Y..bbl. 6.50 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .24 - .25
Roman, bls.....lb. .28 - .30
Charcoal, softwood, powd., bgs., c.l., dlvd. Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Colo. .....ton.27.00 - —
Conn., Me., Mass., N.H., R. I., Vt.....ton.30.80 - —
Ill. (except river point), Minn., Neb., Wis... ton.25.00 - —
Indiana .....ton.26.00 - —
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso)..ton.23.00 - —
Kansas, El Paso, Tex. ton.24.00 - —
Michigan .....ton.27.80 - —
Ohio, Penn.....ton.29.80 - —
Utah .....ton.34.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02125- —
l.c.l., bbls., works.....lb. .0225- —
Chillies (see Pepper, red).
Chins clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works....ton. 7.00 - —
99.75%, 200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works. ton. 9.50 - —
paper bgs., c.l., works. ton.12.50- —
Import, white, lump, bulk, c.l., ex dock Balto, Boston, Norfolk, Phila..ton.22.00 -25.00
powd., csks., l.c.l., ex dock. ton.35.00 - —
ex whse.....ton.37.50 - —
Chloral hydrate, bots., 1,000 lbs. lb. .83 - .92
500 lbs.....lb. .86 - .95
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.02
dms., 1,000 lbs.....lb. .80 - —
500 lbs.....lb. .83 - —
100 lbs.....lb. .85 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05½- —
contracts, dlvd., N.Y....lb. .05½- —
l.c.l., dlvd., N.Y.....lb. .07½- —
tanks, single unit, works, frt. equald..100 lbs. 2.15 - —
multiple unit, 3 or over, wks., frt. equald..100 lbs. 2.30 - —
tanks, multiple unit, 2, works, frt. equald..100 lbs. 2.55 - —
1, works, frt. equald. 100 lbs. 3.00 - —
Chloroacetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms..lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .25 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, coml., 185-lb. cyls., works..lb. .80 - —
5-lb. cyls., same basis....lb. 1.15 - —
Chrome acetate, powd., 17.5% cr., bbls., works..lb. .13 - —
smaller pkgs., works....lb. .17 - —
solut., 8% cs., bbls.....lb. .05 - .08
Cake, bulk, c.l., works.....ton.15.00 -16.00
Green (see Green, chrome).
Oxide (see Green, chrome oxide).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, cns.....lb. 3.25 - 3.50
Cinchona bark, chips, bgs.....lb. .18 - .19
high test, bgs.....lb. .37 - .38
quills, broken, bgs.....lb. .18 - .19
long, cs.....lb. .55 - .60
short, bgs.....lb. .50 - .55
Ecuador, tubes.....lb. .18 - .20
Cinchonidine, crys., small cns., 100 ozs..oz. .83 - —
large, cns.....100 ozs..oz. .87 - —
powd., cns.....100 ozs..oz. .80 - —
Sulphate, N.F., cns..100 ozs..oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns..100 ozs...oz. .34 - —
Cinchophen, USP, boxes, 5 lbs., lb. 3.75 - —
bots., 1 lb.....lb. 3.27 - —
dms. 100 lbs.....lb. 3.00 - —
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, f.f.c. cbys.....lb. 1.35 - 1.40
Cinnamon, Ceylon, 2, bls.....lb. .16¾- .17
3, bls.....lb. .16 - .16½
Citral, bots., cns.....lb. 1.60 - 3.95
Citrine, ointment, jars, tubes..lb. .75 - —
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.75 - 1.80
Clove, Madagascar, bls.....lb. .16 - .16¼
Zanzibar, bls.....lb. .16¼- .16½
Clover tops, bgs.....lb. .14 - .15
Coaltar, coal-gas., crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.00 - —
refd., dms., c.l., works....dm. 8.25 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .66 - .68
Carbonate, tech., bbls., dlvd..lb. 1.63 - —
Chloride, dms., works.....lb. 1.03 - 1.18
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 6%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.67 - —
Resinate, fused, A, bbls.....lb. .13½- —
1%, bbls.....lb. .13 - —
2%, bbls.....lb. .14 - —
3½, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .59 - —
Cocaine hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .35 - .38
Teneriffe, silver, bgs.....lb. .36 - .39
Cocillana bark, bgs.....lb. .14 - .15
Cocoa butter, lumps, bgs., c.l..lb. .12¾- .13
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .08 - .09
Blue, root, bls.....lb. .07 - .07½
Colchicine, bots., 4 ozs.....oz.25.00 - —
single ozs.....oz.26.00 - —
Colchicum seed, bgs.....lb. .25 - .27
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .28 - .32
Colombo root, bls.....lb. .12 - .13
Coltsfoot leaves, bgs.....lb. .07 - .08
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .18 - .19
Copaiba, balsam, Para, cns....lb. .27 - .28
S.A., U.S.P., cns.....lb. .29 - .30
Copper acetate, normal, bbls., c.l., works..lb. .23 - —
l.c.l., bbls.....lb. .25 - —
Carbonate, 52-54%, bbls.....lb. .14½- .15½
18-20%, bbls.....lb. .10¼- —
Chloride, cyrst., bbls.....lb. .13 - .14
Cyanide, tech., bbls.....lb. .37 - —
Iodide, bots.....lb. 4.97 - 5.02
Metal, electrolysis.....lb. .10 - —
Nitrate, cryst., bbls.....lb. .15 - .17
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .14½- .15
smaller lots, works.....lb. .15½- —
red, com'l, 50-75%, kgs, f.o.b. N.Y..lb. .16 - —
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23 - .24
Sulphate (see Blue vitriol).
Copperas, cryst., gran., bgs., c.l., works..ton.14.00 -15.00
bbls., c.l., works.....ton.16.00 -17.00
l.c.l., 25 or over, works.... 100 lbs. 1.35 - —
5-24, works.....100 lbs. 1.50 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.12.00 -13.00
Copra, bgs., Pacific Coast.....lb. .0210 Nom.
Coriander seed, Morocco, bgs..lb. .05½- .06
bleached, bgs.....lb. .08 - .08½
Corn sugar, tanners, bbls., c.l., dlvd..100 lbs. 3.10 - —
ex whse.....100 lbs. 3.20 - —
Syrup, 42°, bbls., c.l.....100 lbs. 3.04 - —
43° bbls., c.l.....100 lbs. 3.09 - —
Cornsilk, bls.....lb. .06½- .07
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 1.14 - —
gran., powd., dms., 50 lbs. or more..lb. .99 - —
Cottonroot bark, bls.....lb. .13 - .14
Cottonseed hull ash, 25-30% pot-ash, bulk, dlvd..unit-ton. 1.05 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 3.00 - —
5-lb. cns.....lb. 3.10 - —
1-lb. cns.....lb. 3.25 - —
1-oz. cns.....lb. 3.60 - —
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .24 - .25
so-called, bls.....lb. .07 - .08
Cranesbill root, bls.....lb. .18 - .20
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .19¾- —
smaller lots, bbls.....lb. .20¼- —
kgs. .....lb. .20¾- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Creosote oil, crude, tanks, works, gal. .13½- .14⅛
Coaltar solution, tanks, works, gal. .122 - .132
refd., bbls., c.l., works...gal. .22½- —
l.c.l., works.....gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .12 - —
l.c.l., same basis.....lb. .12½- —
Crotonaldehyde, tech., dms., c.l., works..lb. .26 - —
l.c.l., works.....lb. .30 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .28 - —
2,000 lbs. to 10,000 lbs..lb. .29 - —
1,000 lbs. to 2,000 lbs..lb. .31 - —
200 lbs. to 1,000 lbs.....lb. .33 - —
4% rotenone prices are 4½c. per lb. less.

Cube root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs.....lb. .32 - .33
powd., cs.....lb. .34 - .35
Culver's root, bls.....lb. .18 - .20
Cumin seed, Algerian, bgs....lb. .09¼- .09½
Indian, bgs.....lb. .10 Nom.
Morocco, bgs.....lb. .10 - .10½
Cutch, Philippine, bls., c.l....lb. .05¼- .06
Extract, bbls.....lb. .06½- .08½
Cyanamide, 21-22% N., pulv., bgs., dlvd., contrs., NH_3 unit.. 1.15 - —
Cyanide-chloride, mixture, 45% gran., dms..lb. .11⅞- —
lump, dms.....lb. .10⅞- —

D

Damiana leaves, bls.....lb. .17 - .18
Dandelion root, German, bls..lb. .18 - .18½
Deertongue leaves, bls.....lb. .11 - .12
Degras, common, dom., bbls...lb. .07¾- .08¼
English, bbls.....lb. .07¾- .08¼
neutral, dom., bbls.....lb. .11 - .15
English, bbls.....lb. .11 - .15
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .39 - —
2,000 lbs., to 10,000 lbs..lb. .40 - —
1,000 lbs., to 2,000 lbs..lb. .41½- —
200 lbs., to 1,000 lbs..lb. .43 - —
4% rotenone prices are 6c. per lb. less

Derris root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Dextrin, British gum, c.l. f.o.b. Chicago..100 lbs. 3.70 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.90 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.45 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.65 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.40 - —
l.c.l., f.o.b Chicago..100 lbs 3.60 - —
Potato, import, bgs.....lb. .07¾- .08¼
Tapioca, bgs., ex whse.....lb. .715 - —
Diamyl ether, dms., c.l., works. lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd..lb. .20½- —
l.c.l., dlvd.....lb. .21 - —
tanks, dlvd.....lb. .19½- —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works., lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works.lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -85.00
l.c.l., ex whse.....ton.45.00 -150.00
import, bgs., c.l., c.l.f.....ton.30.00 - —
Dibutylamine, dms., l.c.l., works. lb. .55 - —
Dibutyl phthalate, dms., l.c.l..lb. .21 - —
Tartrate, dom., dms.....lb. .45 - .54
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichlorethyl ether, dms., c.l. works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Diethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .23 - —
Diethyl carbonate, coml., dms.lb. .31¾- —
refd., 99%, dms.....lb. .50 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l.....lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylanilin, dms.....lb. .40 - .50
Diethyleneglycol, dms., c.l., works, lb. .16 - —
l.c.l., works.....lb. .17 - —
Monobutylether, dms., works.lb. .23 - .24
Monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Diethylene oxide, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, works.....lb. .19 - —
Digitalis, leaves, dms.....lb. .50 - .55
Digiycol oleate, light, bbls....lb. .21 - .24
Dillseed, recleaned, bgs.....lb. .07¼- .07¾
Dimethyl phthalate, dms., l.c.l. lb. .19 - —
Dimethylanilin, dms.....lb. .26 - .27
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls.....lb. .16 - .18
Dinitrochlorobenzene, bbls.....lb. .14 - —
Dinitrononaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .23 - .24
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluoiguanidin, dms, 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .20 - .25
Oxide, perfume grade, cns....lb. .50 - .55
Diphenylamine, bbls.....lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —

Diphenylmethane, bots .....lb. 1.40 - 2.00
Disodium phosphate (see Soda phosphate, dibasic)
Divi-divi extract, bbls.....lb. .05¾- .06¾
Doggrass root, cut, bls.....lb. .12 - .13
Dogwood bark, dom., bls.....lb. .07 - .08
Jamaica, bls.....lb. .07 - .08
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, thin, cs.....lb. .85 - .90
Dubolsine sulphate, vls.....oz. 34.50 -35.00

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G.....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. 1.00 - —
176 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste.....lb. .85 - .90
189 Lake red R, powdered.lb. 3.00 - 3.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B...lb. .80 - .85
326 Direct cast scarlet.....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.30
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN..lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10

Dyes, coaltar, for general uses (numbers those of Colour Index scale):—
448 Benzo purpurin 4B.....lb. .40 - .42½
495 Benzo purpurin 10B....lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B....lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO.....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow.....lb. 2.00 - 2.25
845 Nigrosin(water soluble).lb. .35 - .50
1177 Indigo, 20 p. c.. paste..lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan.....lb. .30 - .50
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives.lb. .42 - —
Blue:—
1075 Alizarin astrol base.lb. 15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
729 Victoria blue.....lb. .75 - —

Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .70 - —
.... Orange, red shade..lb. .75 - —
Red:—
73 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthroquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenezene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or ware house).
Black:—
864 Nigrosin .....lb. .40 - —
Blue:—
729 Victoria blue.....lb. 2.55 - —
860 Indulin .....lb. .70 - —
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —

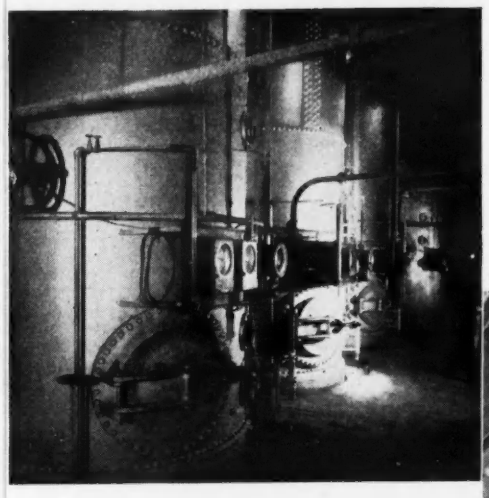
Diphenyl.—Ethylene Dichlor.

Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
Red:—
677 Fuchsin, magenta base. lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS..lb. 2.00 - —
Violet:—
680 Methyl violet.....lb. .90 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
246 Naphthol blue black S, lb. .50 - —
865 Nigrosin .....lb. .36 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R lb. .66 - —
231 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green. lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Red:—
31 Amidonaphthol red G. lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .52 - —
183 Crocein scarlet 3BX.lb. .60 - —
185 Cochineal red A....lb. .60 - —
252 Brilliant crocein M..lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartarzin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

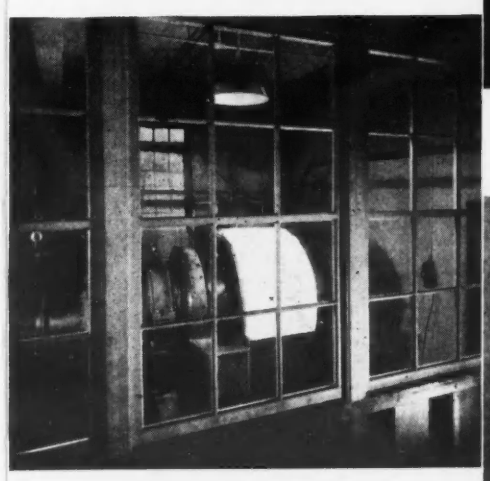
E

Echinacea root, bls.....lb. .23½- .24
Egg albumen (see Albumen).
Yolk, dom., cs.....lb. .65 Nom.
import, cs.....lb. .65 - .68 Nom.
Elder flowers, bright, bls.....lb. .25 - .26
dark, bls.....lb. .23 - .24
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .20 - .21
select, bndls.....lb. .55 - .60
Emetine hydrochloride, bots...oz. 17.00 -18.00
Ephedra, bls.....lb. No offers
Ephedrine, tins, 100 oz.....oz. 4.25 - —
Hydrochloride, tins, 100 ozs..oz. 3.25 - —
Sulphate, cryst., tins, 100 ozs.oz. 3.25 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.25 - —
smaller lots.....lb. 2.50 - —
bbls., c.l.....lb. 2.10 - —
l.c.l., 5,000 lbs. 1 withdrawal..lb. 2.35 - —
smaller lots.....lb. 2.60 - —
kgs., c.l.....lb. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.60 - —
smaller lots.....lb. 2.85 - —
dried, dom., bgs., l.c.l...lb. .08 - .10
Ergot, USP, cs., dms.....lb. 1.40 - 1.50
Eserine, bots.....oz. 42.00 - —
Salicylate, bots.....oz. 28.00 -30.00
Sulphate, bots.....oz. 30.00 - —
Ether, acetic, dms., 400 lbs...lb. .09 - —
cns., 35 lbs.....lb. .13 - .14
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works..lb. .08 - —
l.c.l. works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85 p.c., dms., c.l., frt. alld..lb. .06½- —
l.c.l., frt. alld.....lb. .07 - —
tanks, frt. alld.....lb. .05½- —
99 p.c., dms., c.l., frt. alld. lb. .08½- —
l.c.l., frt. alld.....lb. .09 - —
tanks, frt. alld.....lb. .07½- —
Acetoacetate, dms., c.l., works, lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .22 - .24
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, dms., works.....lb. 1.00 - 1.25
Formate, dms.....lb. .27 - .28
Iodide, bots.....lb. 4.85 - 4.96
Lactate, 55-gal dms., works.lb. .33 - —
5-gal. dms., works.....lb. .36 - —
Oxalate, dms.....lb. .30 - .34
Silicate, l.c.l., dms., works..lb. .77 - —
Ethylcellulose, bgs., 500 lbs. or more, frt. alld. lb. .65 - —
100 lbs., frt. alld.....lb. .70 - —
smaller lots, works.....lb. .75 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0545- .05½
West of Rockies, same basis..lb. .0595- .06
l.c.l., dms., works, E. of Rockies, frt. alld..lb. .0644- .06½
West of Rockies, same basis..lb. .0694- .07

RECRYSTALLIZATION AND PROCESS REFINEMENTS PRODUCE HIGH PURITY IN DOW EPSOM SALT, U.S.P.



1. After the epsom salt solution has been brought to correct concentration, treated and filtered, it is crystallized in these rubber and Monel metal-lined, high-vacuum crystallizers of Dow design.



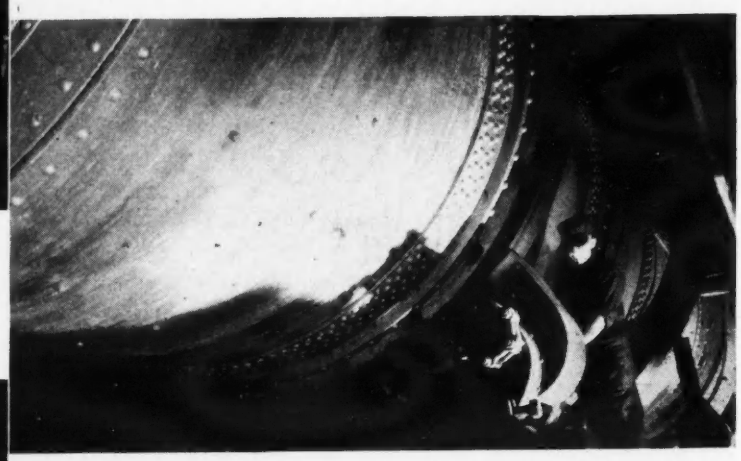
2. Continuous vacuum rotary filters, operating in air-conditioned rooms, complete the separation of the epsom salt crystals from the solution.

Recrystallization and special process refinements give Dow Epsom Salt, U.S.P., the exceptional purity *exceeding* even the high standards of U. S. Pharmacopoeia.

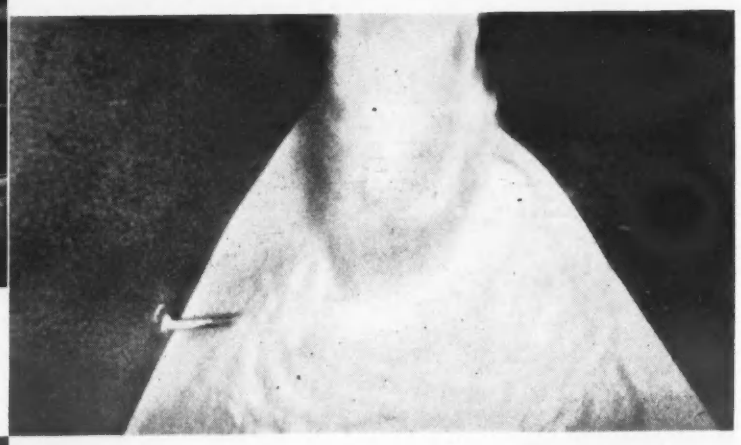
During processing, Dow Epsom Salt is alternately crystallized and washed with filtered water which removes both chemical and mechanical impurities.

To further safeguard the quality of this product, all equipment is lined with rubber or Monel metal.

The white, sparkling, uniform, needle-shaped crystals that characterize Dow Epsom Salt, U.S.P., Recrystallized, symbolize its extreme purity.



3. After filtering, the epsom salt crystals are discharged into this 12 ft. diameter by 50 ft. long Monel metal-lined rotary dryer. Uniform crystals for pharmaceutical use are then obtained by means of vibrating screens.



4. Completely processed, the epsom salt is continuously sampled as it enters each bin. No packaging is done until each sample has been tested for chemical purity, freedom from foreign material, crystal form, dryness and color.

DOW*

*Trade Mark Reg. U. S. Pat. Off.

PRODUCERS OF MORE THAN 300 CHEMICAL PRODUCTS.

Attend the Annual Dinner of the Drug, Chemical and Allied Trades Section of the New York Board of Trade—Waldorf-Astoria, March 3rd.

THE DOW CHEMICAL COMPANY, MIDLAND, MICHIGAN

Branch Sales Offices: 30 Rockefeller Plaza, New York; Second and Madison Streets, St. Louis; Field Building, Chicago; 584 Mission Street, San Francisco; 2260 East 15th Street, Los Angeles.

Ethylenegly.—Hexamethyl.

Ethyleneglycol, dms., c.l.	lb.	.17 -	—
l.c.l.	lb.	.18 -	.21
tanks	gal.	.16 -	—
Monobutylether, dms., c.l., works.	lb.	.18 -	—
l.c.l., works	lb.	.19 -	.22
tanks, works	lb.	.17 -	—
Monoethylether, dms., c.l., works.	lb.	.15 -	—
l.c.l., works	lb.	.16 -	—
tanks, works	lb.	.14 -	—
Monoethylether acetate, dms., c.l., works.	lb.	.13 -	—
l.c.l., dms	lb.	.14 -	—
tanks, works	lb.	.12 -	—
Monomethylether, dms., c.l., works.	lb.	.17 -	—
l.c.l., works	lb.	.18 -	—
tanks, works	lb.	.16 -	—
Ethylidinanilin, dms	lb.	.45 -	.47½
Ethylmethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.	lb.	.06½-	—
l.c.l., same terms	lb.	.07 -	—
tanks, same terms	lb.	.05½-	—
Ethylorthoparatoluenesulphonamide, bbls.	lb.	.55 -	—
Ethylparatoluenesulphonamide, bbls.	lb.	.60 -	—
Eucalyptol, cns., dms	lb.	.58 -	.60
Eucalyptus leaves, bls	lb.	.08 -	.09
Eugenol, bgs., cns	lb.	2.10 -	2.55
Euphorbia, bls	lb.	.05 -	.06

F

Feldspar, enamel, 100 mesh, bulk, works.	ton.	14.00 -	15.00
glass, 20 mesh, bulk, works.	ton.	11.00 -	12.25
pottery, bulk, Me. works	ton.	17.00 -	19.00
N.C. works	ton.	17.00 -	19.00
Fennel seed, French type, bgs.,	lb.	.07½-	.08
Indian, bags	lb.	.07½-	.07¾
German, large, bgs	lb.	.18 -	.19
small, bgs	lb.	.13 -	.14
Fenugreek seed, bgs	lb.	.04 -	.04½
Ferric sulphate, dms., works.	ton.	35.00 -	40.00
Film scrap colors, dark, cs., 1,000 lbs. or over, works.	lb.	.12½-	—
smaller lots, works	lb.	.13 -	—
light, cs., 1,000 lbs. or over, works.	lb.	.13½-	—
smaller lots, works	lb.	.14 -	—
water white, cs., 1,000 lbs. or over, works.	lb.	.15½-	—
smaller lots, works	lb.	.16 -	—
Fir balsam, Canada, cns	gal.	17.00 -	18.00
Oregon, bbls	gal.	1 35 -	1.40
Fish berries, bgs	lb.	.09 -	.10
Fish scrap menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures.	unit-ton.	No prices.	
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto.	ton.	53.50 -	54.00
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, E. cst. factories, contracts.	unit-ton.	No prices.	
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, Feb. shipt.	ton.	46.00 -	—
spot	ton.	46.50 -	47.00
Flake white, bbls., kgs	lb.	.08½-	.08¾
Fleaseed, French, black, bgs.	lb.	.09 -	.10
Indian, blonde, bgs	lb.	.09 -	.10
Fluorspar, enamel, 96-98%, bgs.,	ton.	33.00 -	—
standard, gravel, washed, 85 and 5%, dom., bulk, f.o.b. Ill., Ky. mines.	ton.	20.00 -	21.50
Fluorspar, standard, import, bulk, Atlantic ports, duty-paid.	ton.	23.00 -	23.50
lump, 85 and 5, dom., bulk, f.o.b. Ill., Ky., mines.	ton.	21.00 -	22.50
powd., 97%, import., bgs., Atlantic ports, duty-paid.	ton.	No prices.	
Formaldehyde, bbls., c.l., works.	lb.	.05¾-	—
l.c.l., works	lb.	.06¼-	—
dms., c.l., works	lb.	.05¼-	—
l.c.l., works	lb.	.05¾-	—
tanks, works	lb.	.04½-	—
Fringetree bark, bls	lb.	.14 -	.15
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines.	ton.	10.00 -	—
import, bgs., c.l., ex dock.	ton.	23.00 -	—
l.c.l., ex whse	ton.	30.00 -	—
Furfural, refd., dms., c.l., works.	lb.	.15 -	—
l.c.l., works	lb.	.17½-	.25
tech., dms., contracts, 150,000 lbs., works.	lb.	.10 -	—
c.l., works	lb.	.12½-	—
l.c.l., works	lb.	.15 -	.20
tanks, works	lb.	.09 -	—
Fusel oil, refd., dms. incl., dlvd.	lb.	.12½-	.14
Fustic extract, cryst., bbls.	lb.	.22 -	.26
liquid, bbls	lb.	.09½-	.13
solid, dms	lb.	.17½-	.19¼

G

G salt, bbls	lb.	.43 -	.48
Galangal root, bls	lb.	.09 -	.10
Gall extract, bbls	lb.	.19 -	.20
Gambier, common, bgs	lb.	.06¾-	.07¾
plantation, bgs	lb.	.08¼-	.09¾
Cubes, Singapore, bgs	lb.	.10½-	.11
Extract, bbls	lb.	.06½-	.09½
Gasoline at refinery:—			
Bayonne, US motor, below 65 octane, tanks.	gal.	.07 -	.07¼
65 octane and above, tanks,	gal.	.07¼-	.07¾
California, 54-58, tanks	gal.	.07¼-	.08¼
Gulf Coast, U.S. motor, bulk,	gal.	.04⅛-	—
60-62, 390 e.p., bulk, export,	gal.	.05 -	—
60-62, 400 e.p., bulk, export,	gal.	.05 -	—
64-66, 375 e.p., bulk, export,	gal.	.05 -	.05½
Louisiana-Arkansas, US motor, 62 octane, tanks.	gal.	.04½-	—
63-66 octane, tanks	gal.	.04⅝-	.04¾
67-69 octane, tanks	gal.	.05 -	.05¼
70-72 octane, tanks	gal.	.05½-	.05¾
Oklahoma-Texas, US motor, 62 octane and below. tanks.	gal.	.03¾-	.04
third grade, tanks	gal.	.03¾-	.04
63-68 octane, tanks	gal.	.04¼-	.04¾
67-69 octane, tanks	gal.	.04¼-	.04½
70-72 octane, tanks	gal.	.04½-	.04¾
natural, 12-lb. v. p., tanks,	gal.	.04¼-	.04½
14-lb. v.p., tanks	gal.	.03¾-	.04¼
18-lb. v.p., tanks	gal.	.03¼-	.03⅝
22-lb. v.p., tanks	gal.	.03¼-	.03⅝
26-70 lb., v.p., tanks.	gal.	.03 -	—
Gasoline, at rfy., Pennsylvania, US motor, below 60 octane, tanks.	gal.	.04½-	.05
60 octane, tanks	gal.	.06½-	.06¾
52-54, 450 e.p., naphtha, tanks.	gal.	.04¾-	.04¾
54-56, 400 e.p., strt., run, tanks.	gal.	.04¾-	.04¾
Gelatin, silver, cs	lb.	.45 -	.50
Gelsemium root, bls	lb.	.12 -	.13
Gentian root, bls	lb.	.10 -	.12
grd., bbls., bxs	lb.	.12 -	.13
powd., bbls., bxs	lb.	.14 -	.15
Geraniol, cns., dms	lb.	.67 -	3.00
Geranyl acetate, bots., dms.	lb.	1.20 -	2.50
Ginger root, African, bgs	lb.	.13¼-	.13¾
Cochin, lemon, bgs	lb.	.13 -	.13¼
Jamaica, bold, bgs	lb.	.16 -	.16½
grinding, bright, bgs.	lb.	.14¼-	.14¾
medium, bold, bgs	lb.	.14¾-	.15¼
Japanese, bgs	lb.	.15½-	.16
Ginseng fibers, cs	lb.	1.75 -	3.00
Root, cultivated, cs	lb.	10.00 -	11.00
wild, Southern, cs	lb.	6.00 -	7.00
Glauber's salt, anhyd. (see Soda sulphate).			
cryst., dom., bgs., bbls., c.l., works.	100 lbs.	.95 -	1.15
5 tons or over, works	100 lbs.	1.05 -	1.25
less than 5 tons, works.	100 lbs.	1.15 -	1.35
import., bgs.	100 lbs.	1.05 -	1.35
Glue, bone, calcimine type, 24 millipoise, 88 jelly-grams, bgs., c.l., dlvd.	lb.	.13 -	—
l.c.l., dlvd.	lb.	.13½-	—
36/58, bgs., c.l., dlvd.	lb.	.13½-	—
l.c.l., dlvd	lb.	.14 -	—
58/82, bgs., c.l., dlvd.	lb.	.14½-	—
l.c.l., dlvd.	lb.	.15 -	—
82/108, bgs., c.l., dlvd.	lb.	.15 -	—
l.c.l., dlvd.	lb.	.15½-	—
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Middlewest.	lb.	.15½-	—
l.c.l., same basis	lb.	.16 -	—
60/164,bgs.,c.l.,same basis.	lb.	.17 -	—
l.c.l., same basis	lb.	.17½-	—
67/192,bgs.,c.l.,same basis.	lb.	.18 -	—
l.c.l., same basis	lb.	.18½-	—
75/222, bgs., c.l., same basis,	lb.	.19 -	—
l.c.l., same basis	lb.	.20 -	—
83/251,bgs.,c.l.,same basis.	lb.	.20 -	—
l.c.l., same basis	lb.	.21 -	—
92/283,bgs.,c.l.,same basis.	lb.	.21 -	—
l.c.l., same basis	lb.	.22 -	—
102/315, bgs., c.l., same basis	lb.	.21½-	—
l.c.l., same basis	lb.	.22½-	—
113/347, bgs., c.l., same basis	lb.	.22½-	—
l.c.l., same basis	lb.	.23½-	—
125/379, bgs., c.l., same basis	lb.	.23½-	—
l.c.l., same basis	lb.	.24½-	—
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ¼c. lb.; 60 mesh, 1c. lb.			
Glycerin, C.P., makers, cns., l.c.l.	lb.	.17½-	.18
dms., extra, c.l.	lb.	.15½-	—
l.c.l.	lb.	.16 -	—
dynamite, dms., extra, c.l.	lb.	.15½-	—
l.c.l.	lb.	.16 -	—
saponification, basis 88%, dms., returnable, dlvd.	lb.	.09½-	.10
soaplye, basis, 80%, dms., returnable, dlvd.	lb.	.08½-	.09
yellow, distilled, dms., extra, c.l.	lb.	.15¾-	—
l.c.l.	lb.	.15¾-	—
Glycol borborate, dms	lb.	.26 -	—
Phthalate, dms.	lb.	.40 -	—
Stearate, dms.	lb.	.27½-	—
Gold, U.S. purchase price	oz.	35.00 -	—
Chloride, acid brown, bots.	oz.	20.75 -	21.00
yellow, bots.	oz.	18.75 -	19.00
Gold-soda chloride, photo., bots.,	oz.	13.00 -	—
U.S.P. IX, bots	oz.	14.50 -	14.75
Gold of pleasure seed, bgs.	lb.	.16¼-	.16½
Golden seal root, bls	lb.	3.65 -	3.70
powd., bxs	lb.	3.80 -	3.85
Grains of paradise, bgs	lb.	.28 -	.29
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works.	lb.	.06 -	—
bbls., c.l., works	lb.	.06¼-	—
l.c.l., works	lb.	.06½-	—
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works.	lb.	.02¼-	—
bbls., c.l., works	lb.	.02¾-	—
l.c.l., works	lb.	.03¼-	—
80% graphitic carbon, bgs., c.l., works.	lb.	.06¼-	—
bbls., c.l., works	lb.	.06¾-	—
l.c.l., works	lb.	.04¼	—
Grease, house, trcs	lb.	.04⅞-	.05
White, trcs	lb.	.06 -	.06½
Yellow, trcs	lb.	.05 -	.05⅛
Wool (see Adeps lanae and Degras).			
Green, chrome, C.P., dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	.21 -	—
6-10%, bbls., same basis.	lb.	.22 -	—
11-15%, bbls., same basis.	lb.	.23 -	—
16-20%, bbls., same basis.	lb.	.23½-	—
21-25%, bbls., same basis.	lb.	.24 -	—
26-30%, bbls., same basis.	lb.	.24½-	—
31-35%, bbls., same basis.	lb.	.25½-	—
36-40%, bbls., same basis.	lb.	.27 -	—
41-45%, bbls., same basis.	lb.	.28½-	—
46-50%, bbls., same basis.	lb.	.30 -	—
over 50%, bbls., same basis	lb.	.31 -	—
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c. r. Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
reduced, C.P. color content up 5%, bbls., same basis.	lb.	.06 -	—
6-10%, bbls., same basis.	lb.	.06¾-	—
11-13%, bbls., same basis.	lb.	.07¼-	—
14-16%, bbls., same basis.	lb.	.07½-	—
17-19%, bbls., same basis.	lb.	.07¾-	—
20-21%, bbls., same basis.	lb.	.08 -	—
22-23%, bbls., same basis.	lb.	.08¼-	—
24-25%, bbls., same basis.	lb.	.08½-	—
26-27%, bbls., same basis.	lb.	.08¾-	—
28-29%, bbls., same basis.	lb.	.09¼-	—
30-31%, bbls., same basis.	lb.	.10 -	—
32-33%, bbls., same basis.	lb.	.11¼-	—
34-35%, bbls., same basis.	lb.	.12¼-	—
36-40%, bbls., same basis.	lb.	.14¼-	—
41-45%, bbls., same basis.	lb.	.16¼-	—
46-50%, bbls., same basis.	lb.	.16¾-	—
51-55%, bbls., same basis.	lb.	.17¼-	—
56-60%, bbls., same basis.	lb.	.17¾-	—
61-65%, bbls., same basis.	lb.	.18¼-	—
66-70%, bbls., same basis.	lb.	.19¼-	—
71-75%, bbls., same basis.	lb.	.20¼-	—
Chrome, oxide, dom., pure, bbl.	lb.	.22 -	—
ceramic, light shades, bbls.,	lb.	.28 -	—
l.c.l., works	lb.	.30 -	—
standard grade, bbls., works.	lb.	.19 -	.20
Green, tetrahydroxide, bbls.	lb.	.85 -	—
Paris (see P)			
Tungstated, brilliant, kgs	lb.	2.75 -	—
emerald, kgs	lb.	2.60 -	—
Verdigris (see V)			
Green dyes are listed under Dyes.			
Grindelia robusta, bls	lb.	.08½-	.10
Guaiac resin, cs	lb.	.27 -	.28
strained, cs	lb.	.90 -	1.00
Wood, bls	lb.	.04 -	.05
Guaiacol, liq., djns	lb.	1.55 -	1.70
Carbonate, fib, dms., 25 lbs.	lb.	2.40 -	2.74
Guarana, powd., cs	lb.	1.20 -	1.25
Gum, aloe (see A).			
Ammoniac, tears., cs	lb.	.85 -	.90
Arabic, amber sorts, cleaned, bgs.	lb.	.10½-	.11
white, sorts, 1, bgs	lb.	.27 -	.28
2, bgs	lb.	.25 -	.26
powd., bbls	lb.	.13½-	.14
Asafetida (see A).			
Asphaltum (see A).			
Benzoin, Siam, cs	lb.	1.40 -	1.65
Sumatra, cs	lb.	.18 -	.20
Camphor (see C)			
Chicle, dry, bgs	lb.	.65	Nom.
Copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran.	lb.	.44 -	—
Copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.			
2, cloudy, white, bgs., c.l., same basis.	lb.	.31¾-	—
3, selected pale straw bold, bgs., c.l., same basis.	lb.	.18¼-	—
4, pale bold straw, bgs., c.l., same basis.	lb.	.19¼-	—
5, pale straw bold, bgs., c.l., same basis.	lb.	.15¾-	—
6, pale amber bold, bgs., c.l., same basis.	lb.	.15¾-	—
7, pale straw bold, bgs., c.l., same basis.	lb.	.18¾-	—
8, light amber bold, bgs., c.l. same basis.	lb.	.12⅞-	—
9, medium light amber bold, bgs., c.l., same basis.	lb.	.10¼-	—
10, rescraped hard amber bold, bgs., c.l., same basis.	lb.	.10¼-	—
11, hard dark amber bold, bgs., c.l., same basis.	lb.	.08⅞-	—
12, selected bold sorts, bgs., c.l., same basis.	lb.	.07⅜-	—
13, dark sorts bold bgs., c.l., same basis.	lb.	.06¼-	—
14, selected, fully scraped, ivory, bgs., c.l., same basis.	lb.	.19¾-	—
15, ordinary ivory sorts, bgs., c.l., same basis.	lb.	.06⅞-	—
16, inferior ivory sorts, bgs., c.l., same basis.	lb.	.05¾-	—
17, pale fingers, bgs., c.l., same basis.	lb.	.15¾-	—
18, pale straw nubs, bgs., c.l., same basis.	lb.	.13⅜-	—
19, pale straw nubs, bgs., c.l., same basis.	lb.	.12¼-	—
20, hard dark amber nubs, bgs., c.l., same basis.	lb.	.08¾-	—
21, ordinary selected nubs, c.l., same basis.	lb.	.07⅞-	—
22, small mixed nubs, bgs., c.l., same basis.	lb.	.06⅝-	—
23, dark mixed nubs, bgs., c.l., same basis.	lb.	.07⅜-	—
24, No. 1, ivory nubs, bgs., c.l., same basis.	lb.	.15¾-	—
25 No. 2, natural ivory nubs, bgs., c.l., same basis.	lb.	.07 -	—
26, pale bold chips, bgs., c.l., same basis.	lb.	.06¼-	—
27, pale small chips, bgs., c.l., same basis.	lb.	.05¾-	—
28, pale dust, bgs., c.l., bgs., same basis.	lb.	.05 -	—
East India, Batu, bold scraped, **bgs., c.l., same basis,**	lb.	.05½-	—
unscraped, bgs., c.l., same basis.	lb.	.04 -	—
chips, bgs., c.l., same basis	lb.	.03⅜-	—
dust, bgs., c.l., same basis.	lb.	.03⅞-	—
nubs and chips, bgs., c.l., same basis.	lb.	.03⅜-	—
black, bold, scraped, bgs., c.l., same basis.	lb.	.06⅜-	—
unscraped, bgs., c.l., same basis.	lb.	.04¼-	—
nubs and chips, bgs., c.l., same basis.	lb.	.04¼-	—
Hiroe, Macassar, pale, bold, bgs., c.l., same basis.	lb.	.12¼-	—
chips, bgs., c.l., same basis.	lb.	.05¾-	—
dust.,bgs.,c.l.,same basis,	lb.	.03⅜-	—
nubs, bgs., c.l., same basis.	lb.	.10⅜-	—
Singapore, Rasak, bold, bgs., c.l., same basis.	lb.	.15¼-	—
chips, bgs., c.l., same basis,	lb.	.04¾-	—
dust,bgs.,c.l.,same basis.	lb.	.03⅜-	—
nubs, bgs.,c.l.,same basis.	lb.	.10 -	—
Manila, Boeas, amber and dark, bskts., c.l., same basis.	lb.	.14 -	—
light, bskts., c.l., same basis.	lb.	.13½-	—
Loba A, bskts., c.l., same basis.	lb.	.12 -	—
B,bskts.,c.l., same basis.	lb.	.11¾-	—
C,bskts.,c.l., same basis.	lb.	.11¼-	—
CNE, bskts., c.l., same basis.	lb.	.07⅝-	—
D, bskts., c.l., same basis,	lb.	.09¾-	—
DK, bskts., c.l., same basis,	lb.	.07⅝-	—
DU, bskts., c.l., same basis,	lb.	.08¾-	—
dust, bskts., c.l., same basis.	lb.	.06⅜-	—
Sambas and white split chips, bskts., c.l., same basis.	lb.	.14⅜-	—
Singapore, dust, bskts., c.l., same basis.	lb.	.06⅝-	—
spirit-soluble, CBB, bskts., c.l., same basis.	lb.	.08¾-	—
DBB, bskts., c.l., same basis.	lb.	.08¾-	—
MA, bskts., c.l., same basis,	lb.	.06¾-	—
MB, bskts., c.l., same basis,	lb.	.06¾-	—
WS, bskts., c.l., same basis,	lb.	.08¾-	—
Philippine Manila, amber sorts, bskts., c.l., same basis,	lb.	.07¼-	—
chips, pale, bskts., c.l., same basis.	lb.	.08⅞-	—
small, bskts., c.l., same basis.	lb.	.07¼-	—
extra pale sorts, bskts., c.l., same basis.	lb.	.09½-	—
nubs, bskts., c.l., same basis.	lb.	.11⅜-	—
pale, scraped, bskts., c.l., same basis.	lb.	.11⅜-	—
seeds and dust, bskts., c.l., same basis.	lb.	.06½-	—
Gum, copal, Pontianak, bold, genuine, bgs., same basis.	lb.	.16½-	—
mixed, bgs., c.l., same basis.	lb.	.14 -	—
chips,bgs,c.l.,same basis.	lb.	.10¼-	—
split, bgs., c.l., same basis.	lb.	.13⅞-	—
nubs, bgs.,c.l., same basis.	lb.	.12⅞-	—
Dammar, Batavia A, cs., c.l., same basis as copal.	lb.	.23½-	—
A/D, cs., c.l., same basis.	lb.	.19⅛-	—
A/E, cs., c.l., same basis.	lb.	.17¼-	—
B, cs., c.l., same basis.	lb.	.24 -	—
C, cs., c.l., same basis.	lb.	.20⅝-	—
D, cs., c.l., same basis.	lb.	.17½-	—
dust., cs., c.l., same basis.	lb.	.03⅞-	—
E, cs., c.l., same basis.	lb.	.08¼-	—
F, cs., c.l., same basis.	lb.	.07¼-	—
Singapore, I, cs., c.l., same basis.	lb.	.19¼-	—
2, cs., c.l., same basis.	lb.	.14½-	—
3, cs., c.l., same basis.	lb.	.05¾-	—
chips, cs., c.l., same basis.	lb.	.13½-	—
dust., cs., c.l., same basis.	lb.	.05¾-	—
seeds, cs., c.l., same basis.	lb.	.09½-	—
Elemi, cns., c.l., same basis as copal.	lb.	.09¾-	—
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del., and Md. 75,000 lbs., contrs. or single shipt., 10,000 lbs.,	lb.	.08¼-	—
less than 10,000 lbs., same basis.	lb.	.08½-	—
dlvd., western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l.,	lb.	.08¾-	—
l.c.l., same basis	lb.	.09 -	—
dlvd., elsewhere, 75,000 lbs., contrs. or straight c.l.	lb.	.09 -	—
l.c.l., same basis	lb.	.09¼-	—
Euphorbium, cs	lb.	.17 -	.18
Gelbanum, cs	lb.	.95 -	1.00
Gamboge, pipe, cs	lb.	.70 -	.75
powd., bbls	lb.	.75 -	.80
Ghatti, soluble, bgs	lb.	.11 -	.15
superior, bgs	lb.	.09 -	.11
Gualac (see Guaiac resin).			
Karaya, bbls., bxs., djns.	lb.	.14½-	.28
Kauri, brown, XXX, cs., c.l.,	lb.	.60 -	—
BX, cs., c.l., same basis.	lb.	.38 -	—
B1, cs., c.l., same basis.	lb.	.28 -	—
B2, cs., c.l., same basis.	lb.	.24 -	—
B3, cs., c.l., same basis.	lb.	.18½-	—
80% chips, cs., c.l., same basis.	lb.	.12½-	—
pale, XXX, cs., c.l., same basis.	lb.	.61 -	—
1, cs., c.l., same basis.	lb.	.41 -	—
2, cs., c.l., same basis.	lb.	.24 -	—
3, cs., c.l., same basis.	lb.	.17¾-	—
Kino, tins	lb.	2.00 -	2.10
Mastic, cs., c.l., same basis as copal.	lb.	.55 -	.56
Myrrh, USP, cs	lb.	.36 -	.37
Olibanum, siftings, bls	lb.	.07½-	.18
tears, cs	lb.	.13 -	.24
Opium (see O)			
Rosin (see R)			
Sandarac, cks., c.l., same basis as copal.	lb.	.25 -	.26
Scammony, cs	lb.	1.10 -	1.15
Senegal, picked, bgs	lb.	.25 -	.27
sorts, bgs	lb.	.10¼-	.11
Talha, bgs	lb.	.07½-	.08
Thus, bbls	280 lbs.	13.50 -	14.00
Tragacanth, Aleppo 1, cs.	lb.	2.75 -	3.00
2, cs	lb.	2.40 -	2.45
3, cs	lb.	2.35 -	2.40
4, cs	lb.	2.30 -	2.35
5, cs	lb.	2.25 -	2.30
Flake, bgs	lb.	.50 -	1.00
Yacca, bgs., c.l., same basis as copal.	lb.	.03¼-	—
powd., bgs., c.l., same basis.	lb.	.04½-	—
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald.	ton.	21.15 -	—
Medicine Lodge, Kans., frt. equald.	ton.	17.00 -	—
New Brighton, N. Y., frt. equald.	ton.	27.15 -	—
Southard, Okla., frt. equald.	ton.	17.00 -	—
Sweetwater, Tex., frt. equald.	ton.	21.15 -	—
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald.	ton.	12.50 -	—
Blue Rapids, Kans., frt. equald.	ton.	12.50 -	—
New Brighton, N. Y., frt. equald.	ton.	15.70 -	—
Southard, Okla., frt. equald.	ton.	12.50 -	—
Sweetwater, Tex., frt. equald.	ton.	12.50 -	—
stucco, paper bgs., c.l., f.o.b. Acme, Texas; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Oakfield, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.	ton.	8.00 -	—
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald.	ton.	12.00 -	—
import, bgs., ex dock	ton.	27.50 -	—

H

Heliotropin, cryst., cns	lb.	1.80 -	2.20
Hellebore, white, root, powd., bbls.	lb.	.12 -	.13
Helonias root, bls	lb.	.75 -	.78
Hematine crystals, bbls	lb.	.18 -	.28
Hemlock extract, 25% tan., bbls.	lb.	.03 -	.04
Hempseed, Manchur., bgs	lb.	.06 -	.06½
Henbane leaves, bls	lb.	.17 -	.18
Henna leaves, bls	lb.	.07½-	.09
powd., bbls., bxs	lb.	.10 -	.11
Heptane, mixed, 77-115°C., dms., c.l., Group 3.	gal.	.12 -	—
l.c.l., Group 3	gal.	.16 -	—
tanks, Group 3	gal.	.08½-	—
normal, 86-100°, dms., c.l., Group 3.	gal.	.13 -	—
l.c.l., Group 3	gal.	.17 -	—
tanks, Group 3	gal.	.10½-	—
Hexalin, dms	lb.	.30 -	—
Hexane, normal, 60-70° C., dms., c.l., Group 3.	gal.	.13 -	—
l.c.l., Group 3	gal.	.17 -	—
tanks, Group 3	gal.	.10½-	—
laboratory grade, dms., c.l., Group 3.	gal.	.16 -	—
l.c.l., Group 3	gal.	.25 -	—
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C.	lb.	.35 -	—
150 to 1,350 lbs. shipments, same basis.	lb.	.36 -	—
USP, dms., 500 lbs. or more, shipments, same basis,	lb.	.46 -	—
100 to 400 lbs., shipments, same basis.	lb.	.47 -	—

Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Homatropine hydrobromide, bots., 50 ozs..oz.13.00 - —
25 ozs .....oz.13.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 3.00 - —
Hops, N. F., bls.....lb. .27 - .28
Horehound, bls. .....lb. .12 - .15
Hydrangea root, bls.....lb. .12 - .13
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs. .....oz.17.00 - —
Hydrochloride, bots,, 4 ozs...oz.17.25 - —
cns., 16 oz. .....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.25 - —
cns., 16 oz .....oz.19.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys.,E.ofMiss.R.lb, .19½- .20
W. of Miss. R. .....lb. .21 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.18.00 -19.00
Hyoscyamine, bots.....oz.15.00 - —
Hydrobromide, bots.....oz.15.00 - —
Sulphate, bots.....oz.15.00 - —
Hypernic, liq., 51°, bbls.....lb. .16 - .21
solid, bxs .....lb. .18½- .20½

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, Nat., Madras, cs.....lb. 1.67 - 1.63
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.15 - —
kgs, 150 lbs.....lb. .90 - —
resubl., bots., 5 lbs.....lb. 1.60 - —
jars, 50 lbs.....lb. 1.50 - —
tincture, USP, bbls., 47 gals., gal. 1.55 - —
cbys., 5 gals.....gal. 1.65 - —
mild, bbls., 47 gals.....gal. .80 - —
cbys., 5 gals.....gal. .90 - —
Iodoform, dms., 100 lbs.....lb. 3.75 - —
jars, 25 lbs.....lb. 3.85 - —
Ionone, bots.....lb. 1.30 - 4.05
Ipecac root, bgs. .....lb. 1.20 - 1.25
powd., bxs. .....lb. 1.35 - 1.40
Irish moss, ordinary, bls.....lb. .10 - .11
powd., 80-90 mesh, bbls...lb. .24 - .32
prime, bleached, bls.....lb. .18 - .20
Iron acetate, N. F. IV, cbys., 100 lbs..lb. .15 - —
IV, djns., 50 lbs.....lb. .16 - —
Chloride (ferric), tech., anhyd., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.60
cryst., bbls., works, frt. alld. or equid..lb. .05 - .06
kegs, works, frt. alld. or equid..lb. .07½- .08
liquor, cbys., works. frt. alld. or equid..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
USP solut., cbys., works, frt. alld. or equid..lb. .06½- .07
djns .....lb. .07½- —
Citrate, USP VIII, pearls, cns., lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots.....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.85 - 3.00
syrup, djns.....lb. .37 - .38
bots. .....lb. .52 - —
Nitrate, coml., kgs.....lb. .02¾- .08
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate), USP, cryst., bbls., 275 lbs. lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Oxalate, bxs.....lb. .31 - —
fib., dms.....lb. .24½- —
kgs. .....lb. .26½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .31 - —
fib., dms.....lb. .24½- —
kgs. .....lb. .26½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .06½- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .05½- —
Isopropyl alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..lb. .07 - —
l.c.l. .....lb. .08 - —
tanks .....lb. .06 - —

J

Jaborandi leaves, bls.....lb. .14 - .15
Jalap root, NF, bls.....lb. .17 - .19
powd., bbls., bxs.....lb. .20 - .21
Juniper berries, bgs.....lb. .04½- .05

K

Kamala, tins .....lb, .34 - .36
Kava kava root, bls.....lb. .15 - .16
Kerosene, at refinery:—
Bayonne,41-43 w.w., tanks.gal. .06 - —
Gulf ports, p.w., bulk, export, gal. .04½- —
w.w., bulk..gal. .04¾- —
Louisiana-Arkansas, 41-43 w.w., bulk..gal. .04½- .04¾
Kerosene, at refinery:—
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04½- .04⅝
42-44 w.w., tanks.....gal. .04¼- .04½
Pennsylvania, 45 w.w., tanks, gal. .05⅜- .05½
46 w.w., tanks.....gal. .05½- .05⅝
47 w.w., tanks.....gal. .05⅝- .05¾
Kerosene, tankwagon:—
Atlanta .....gal. .14 - —
Boston .....gal. .08½- —
Chicago .....gal. .102 - —
Cincinnati .....gal. .13 - —
Denver .....gal. .11½- —
Louisville .....gal. .10½- —
Minneapolis .....gal. .106 - —
New Orleans .....gal. .12 - —
New York .....gal. .08¾- —
San Francisco .....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc,, 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .55 - .60
Lanolin (see Adeps lanae).
Lard, city tubs.....100 lbs. 9.25 - 9.50
Middlewestern, trcs....100 lbs. 9.25 - 9.35
Neutral, trcs.....100 lbs. 9.50 - 9.75
Western, choice, trcs..100 lbs. 9.25 - 9.35
Compound, trcs.....100 lbs.10.25 -10.50
Larkspur seed, bgs.....lb. .33 - .35
Laurel berries, bls.....lb. .09 - .10
Leaves, Ital., bls.....lb. .05 - .05½
Lavender flowers, ordinary, bls.lb. .35 - .40
select, bls.....lb. .50 - .55
Lead acetate, white, broken, bbls..lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., dealers E. of Rockies..lb. .12½- —
W. of Rockies.....lb. .12½- —
L.c.l., bgs., dealers, E. of Rockies..lb. .13 - —
W. of Rockies.....lb. .12¾- —
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.
Blue, basic sulphate, bbls., c.l., dlvd., E..lb. .06½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06½- —
L.c.l., dlvd., E.....lb. .06½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¾- —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.52 - —
jars .....lb. 2.40 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .18 - —
5 lb. cont., f.o.b. works..lb. .21 - —
Nitrate, bbls.....lb. .11 - .11½
Oleate, bbls. .....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less. Pb_3O_4, **bbls., c.l., (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in** Ore. and Wash..lb. .0725- —
other points.....lb. .0700- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .07¾- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.lb. .08¼- —
Colo., Mont., N. Mex., Wyo.....lb. .08 - —
other points.....lb. .07½- —
smaller lots, dlvd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
other points.....lb. .08 - —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .0750- —
other points....lb. .0725- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08 - —
Ariz, etc.....lb. .08½- —
Colo., etc.....lb. .08¼- —
other points.....lb. .07¾- —
smaller lots dlvd., Ala., etc..lb. .08½- —
Ariz. .....lb. .09 - —
Colo. .....lb. .08¾- —
other points.....lb. .08¼- —
98%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc..lb. .0775- —
other points.....lb. .0750- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
other points.....lb. .08¼- —
smaller lots, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
in oil, 100-lb. kgs.....lb. .12 - —
Resinate, fused, 16%, bbls...lb. .09½- —
pale, bbls. .....lb. .11½- —
precip., bbls. .....lb. .16½- —
Stearate, bbls. .....lb. .22 - .23
Sulphate (see Lead, white, basic sulphate).
Titanate, bbls., c.l., f.o.b. works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delvy, dlvd., lb. .11¼- —
smaller lots .....lb. .11½- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07 - —
other points.....lb. .06¾- —
l.c.l., dlvd., Ariz., etc.lb. .07¼- —
other points.....lb. .07 - —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06½- —
other points.....lb. .06¾- —
l.c.l., dlvd, Ariz., etc...lb. .06¾- —
other points .....lb. .06½- —
in oil, 100-lb. kgs., consumers..lb. .11¾- —
dealers .....lb. .09¾- —
painters .....lb. .10¾- —
Lemon peel, bls.....lb. .10 - .11
Licorice extract, mass, cs.....lb. .17 - .18
powd., bbls.....lb. .24 - .25
Root, bls.....lb. .04½- .05
powd., bbls., bxs.....lb. .07 - .08
select, bndls., cs.....lb. .16 - .17
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.50 - —
California, northern..ton.11.80 - —
southern .....ton.11.45 - —
Cedar Hollow, Pa....ton. 8.00 - —
Chicago .....ton. 7.25 - —
Crab Orchard, Tenn.ton. 6.25 - —
Dallas, Texas.....ton. 8.50 - —
Durbin, Ohio.....ton. 6.50 - —
Eagle Mountain, Va.ton. 6.25 - —
Easton, La.....ton. 7.00 - —
Farnams, Mass.....ton. 7.50 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Leroy, Minn.....ton. 8.00 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Marble Cliff, Ohio....ton. 6.50 - —
Marblehead, Ohio....ton. 7.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 7.50 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Potoskey, Mich.....ton. 8.00 - —
Port Island, Mich....ton. 7.50 - —
Ripplemead, Va.....ton. 6.25 - —
Riverton, Va.....ton. 6.25 - —
Scioto, Ohio.....ton. 6.00 - —
Sheboygan, Wis.....ton. 7.00 - —
Sherwood, Wis.....ton. 7.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
hydrated, paper bgs., f.o.b. Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 9.00 - —
Buffalo .....ton.10.00 - —
California, northern..ton.15.30 - —
southern .....ton.13.95 - —
Cedar Hollow, Pa...ton. 8.50 - —
Chicago .....ton. 9.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Dallas, Tex.....ton.12.00 - —
Durbin, Ohio.....ton. 8.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Easton, La.....ton. 9.00 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.60 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Marble Cliff, Ohio....ton. 8.00 - —
Marblehead, Ohio....ton. 9.00 - —
Martinsburg, W. Va.ton. 8.50 - —
Milltown, Ind.....ton.12.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Pelham, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D.....ton.12.00 - —
Ripplemead, Va.....ton. 8.00 - —
Riverton, Va.....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Wis. .....ton. 9.00 - —
Siluria, Ala. .....ton. 9.00 - —
Springfield, Mo. .....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
spray, paper bgs., f.o.b., Bellefonte, Pa.....ton. 9.00 - —
Durbin, Ohio .....ton. 9.00 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonberg, Ohio.....ton.11.00 - —
Marble Cliff, Ohio.....ton.11.00 - —
Marblehead, Ohio.....ton.11.00 - —
Mitchell, Ind. .....ton. 9.00 - —
Scioto, Ohio .....ton. 9.00 - —
Sherwood, Wis. .....ton. 9.00 - —
Woodville, Ohio.....ton.11.00 - —
Lime salts (see Calcium)
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08¼
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09¼
dms., same basis.....lb. .12 - —
solution, zone 1, dms., consumer..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
50-30 dms.....gal. .11 - .15
Zone 3, tanks, dealers, dlvd., gal. .11½- —
50-30 dms.....gal. .14 - .18
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., c.l. and l.c.l....gal. .13 - .14
Zone 5, tanks, dealers, dlvd., gal. .10½- —
c.l. and l.c.l.....gal. .13 - .14
Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Allegancy; Tenn., east of Tenn. River. Zone 2: New England States, N. Y., N. J., Md., Dela., Va., and the eastern tier of Penna., and the eastern tier of W. Va., and N. C., the counties not in Zone 1. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penna., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5.
Linalool, cns.....lb. 2.10 - 6.30
Linalyl acetate, cns., 25 lbs...lb. 1.70 - 6.30
Linden flowers, with leaves, bls.lb. .18 - .19
without leaves, bls.....lb. .20 - .21
Linseed cake, bgs., export....ton.31.00 - —
Meal 32%, dom., bgs.....ton.42.00 - —
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0625- —
other points.....lb. .0600- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash....lb. .06¾- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .07¼- —
Colo., Mont., N. Mex., Wyo..lb. .07 - —
other points .....lb. .06½- —
smaller lots, dlvd. Ala., etc. lb. .07¼- —
Ariz., etc. .....lb. .07¾- —
Colo., etc. .....lb. .07½- —
other points.....lb. .07 - —
Lithium bromide, 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, bbls., 250 lbs....lb. 1.25 - —
kgs., 100 lbs. .....lb. 1.30 - —
Chloride, jars, 25 lbs.....lb. 1.65 - 1.70
Citrate, bbls., 250 lbs.....lb. 1.40 - —
fib dms., 25 lbs.....lb. 1.45 - —
kgs., 100 lbs. .....lb. 1.40 - —

Hexyl Acet.—Mercurial

Lithium, iodide, bots., 5 lbs..lb. 4.85 - —
jars, 25 lbs. .....lb. 4.70 - —
Fluoride, bbls. .....lb. 2.10 - 2.25
Lithopone,dom.,high-strength,bgs., 20 tons, dlvd. E or ex whse, Pac Cst.....lb. .05½- —
smaller lots, same basis.lb. .06¼- —
bbls., 20 tons, same basis, lb. .06½- —
smaller lots, same basis.lb. .06¾- —
ordinary, bgs., 20 tons, same basis..lb. .04¾- —
smaller lots, same basis.lb. .04¾- —
bbls., 20 tons, same basis, lb. .04¾- —
smaller lots, same basis.lb. .04⅞- —
titanated, bgs., 20 tons, same basis..lb. .05⅞- —
smaller lots, same basis.lb. .06⅛- —
bbls., 20 tons, same basis, lb. .06⅛- —
smaller lots, same basis.lb. .06⅜- —
Liverwort leaves, bls.....lb. .18 - .19
Lobelia herb, bls.....lb. .13 - .14
Seed, bgs. .....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .18 - .24
liquid, 51°, l.bls.....lb. .09½- .11½
solid, bxs. .....lb. .15 - .19
Sticks, Haitian, shipt.....ton.24.00 -25.00
Lovage root, dom., bls.....lb. .55 - .65
Import, bls. .....lb. .35 - .37
Lupulin, N.F., tins.....lb. 1.90 - 2.00
Lycopodium, cs.....lb. 1.25 - 1.30

M

Mace, Banda, cs.....lb. .54½- .55
Batavia, cs. .....lb. .47 - .48
Siauw, 1, cs.....lb. .51 - .52
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, calcined, tech., heavy, bbls., f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila. .....lb. .25 - .30
1-lb. pkgs., same basis.lb. .35 - .40
light, bbls., same basis..lb. .20 - .25
1-lb. tins, same basis..lb. .30 - .35
USP, heavy, bbls., same basis lb. .25 - .30
1-lb. pkgs., same basis.lb. .35 - .40
special, bbls., same basis, lb. .22 - .27
Standard light, bbls., same basis..lb. .20 - .25
1-lb. tins, same basis...lb. .30 - .35
calcined, USP, i m p o r t ., heavy, pharm., bbls..lb. .50 - —
light, extra, bbls.....lb. .36 - .40
standard, bbls.....lb. .30 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l. .....lb. .07 - —
bbls., c.l. .....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l. .....lb. .08¾- —
l.c.l. .....lb. .09¼- —
USP, Zone 1, bbls., c.l.....lb. .08¼- —
l.c.l. .....lb. .09 - —
kgs., c.l. .....lb. .09¾- —
l.c.l. .....lb. .10¼- —
Magnesia carbonate:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. C.l. shipm'ts, full fr't alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts, frt. alld., including dlvd. store-door.
Chloride, flake, dom., bbls., works..ton.39.00 -42.00
Hypophosphite, cns., 100 lbs.lb. 1.45 - —
25 lbs. .....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls .....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.95
Silicate (see Talc).
Silicofluoride, bbls. .....lb. .09¼- .10½
Stearate, bbls., ctns., c.l.....lb. .21 - —
c.l. .....lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs. .....lb. .23 - —
smaller lots .....lb. .24 - —
Sulphate (see Epsom salt).
Magnesite, cal., import, bbls.ton.60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b, Chewelah, Wash....ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 300 lbs..lb. .29 - —
dms., 24 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .34 - —
Malva flowers, black, bls.....lb. .40 - .42
blue, bls. .....lb. .45 - .50
Leaves, bls. .....lb. .11 - .12
Manaca root, bls. .....lb. .20 - .21
Mandrake root, bls.....lb. .20 - .21
Manganese acetate, dms. .....lb. .26½- —
Arsenate, bgs. .....lb. .12 - .12½
Borate, tech., bbls. .....lb. .15 - .16
Carbonate, bbls .....lb. .19 - —
Chloride, bbls. .....lb. .07½- .07¾
Dioxide, Caucasian, 85-90%, bbls., c.l., works..ton.66.50 - —
l.c.l., 5 tons, works..ton.69.50 - —
smaller lots, works..ton.74.50 - —
burlap bgs., c.l., works.ton.64.50 - —
l.c.l., 5 tons, works..ton.67.50 - —
smaller lots, works.ton.72.50 - —
paper bgs., c.l., works.ton.62.50 - —
l.c.l., 5 tons, works..ton.65.50 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots.....lb. 2.01 - —
smaller lots .....lb. 2.71 - —
cns., 25 lbs .....lb. 2.83 - —
solut., djns., 1,000-lb. lots, lb. .61 - —
smaller lots .....lb. .71 - —
cns., 25 lbs .....lb. .81 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.25 - —
jars, 25 lbs .....lb. 5.10 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls..lb. .19 - —
Ore, 50-52%, basis, bbls., c.l., Atl. ports..unit-ton. .45 - .47
Resinate, fused, 3½%, bbls...lb. .08¾- .09⅜
precip., dms. .....lb. .12 - —
Sulphate, anhyd., bbls., works, lb. .07 - .07¼
cryst., 65% $MnSO_4$, bgs., c.l., dlvd. South..ton.48.75 - —
l.c.l., bgs. .....ton.55.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shpt..ton.25.00 - —
Manna flake, large, cs.....lb. .37 - .38
small, cs.....lb. .20 - .22
Mannitol, pure, cryst., cs., works, lb. 1.45 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....lb. .17½- .18
Tunisan, bls. .....lb. .16¾- .17
Matico leaves, bls.....lb. .28 - .30
Menthol, U.S.P., natural, cs..lb. 3.10 - 3.20
synthetic, tech., cs.....lb. 2.25 - —
U.S.P., cs. .....lb. 3.00 - —
liquid, dms., 40 lbs. ....lb, 1.60 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots .....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. .77 - —
25 lbs.....lb. .79 - —
50%, pails, 50 lbs.....lb. 1.11 - —
25 lbs.....lb. 1.13 - —

A Guaranty of MERCK Purity & Reliability

MAGNESIUM HYDROXIDE MERCK

• MEDICINAL •

An alkalinizer especially adapted for the manufacture of Magnesia Tablets or Wafers. It is also suitable for use in antacid powder preparations.

This Merck product is a white, impalpable, odorless and practically tasteless powder. It is of a purity fully comparable to that required by the United States Pharmacopoeia for Magnesium Oxide.

Magnesium Hydroxide Merck, because of careful selection of raw materials and rigid laboratory control, always meets the highest standard of purity.

Technical information, samples, and prices will be furnished on request.

MERCK & CO. INC. *Manufacturing Chemists* RAHWAY, N. J.

Mercury (see Quicksilver).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs.....lb. 1.81 - —
fib., dms., 100 lbs.....lb. 1.68 - —
jars, 25 lbs.....lb. 1.70 - —
Chloride (see Calomel).
Iodide, red, N. F., bots., 5 lbs., lb. 3.67 - —
cns., 25 lbs.....lb. 3.55 - —
fib., dms., 100 lbs.....lb. 3.55 - —
yellow, bls., 5 lbs.....lb. 3.67 - —
cns., 25 lbs.....lb. 3.65 - —
fib., dms., 100 lbs.....lb. 3.65 - —
Nitrate ointment (see Citrine ointment).
Oxide red, N.F. (see Red precipitate).
tech. (See Red, mercury oxide).
Yellow, dom., tech., bbl....lb. 1.21 - —
USP, fib dms., 50 lbs. or more..lb. 1.73 - —
Mercury and chalk, ctns., 5 lbs., lb. 1.22 - —
fib., dms., 25 lbs.....lb. 1.10 - 1.12
Mesityl oxide, cns., works.....lb. .25½- .27½
dms., c.l., works.....lb. .21 - —
l.c.l., works.....lb. .21½- —
tanks, works.....lb. .20 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
Composition, 5½x5½ in.pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 -15.75
3⅜x3⅜ in. .....pkg.16.15 -17.50
4x4 in. .....pkg.19.50 -20.00
3⅜x5⅞ in. .....pkg.22.50 -23.00
3⅞x5⅞ in. .....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroaniiin, kgs.....lb. .67 Nom.
Metanitroparatoluidin, bbls....lb. 1.45 - —
Metaphenylenediamine, kgs....lb. .80 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, denat. grade, dms., c.l., frt. alld., E. of Rockies..gal. .34 - —
tanks, frt. alld., E. of Rockies..gal. .28 - —
Methanol, denat., grade, prices on Pacific Coast are 4c. per gal. higher.
pure, nat'l or synth., dms., c.l.
Zone 1, frt. all..gal. .38 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .40½- —
2, frt. alld. or dlvd..gal. .47 - —
3, frt. alld. or dlvd..gal. .44½- —
4, frt. alld. or dlvd..gal. .60 - —
tanks, Zone 1, frt. alld.gal. .33 - —
2, frt. alld.....gal. .35½- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .37 - —
95%, 2c. less than pure, all zones, frt. alld.
97%, 1c. less than pure, all zones, frt alld.
Methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb.. N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont.. Nev., Idaho, Ore., Utah, Wash.
Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .08 - —
W. of Miss. R.....lb. .09 - —
l.c.l., dms., dlvd. E. of Miss. R..lb. .08½- —
W. of Miss. R.....lb. .09½- —
tanks, dlvd. E. of Miss. R. lb. .07 - —
W. of Miss. R.....lb. .08 - —
tech, dms., c.l., dlvd. E. of Miss. R..lb. .07½- —
W. of Miss. R.....lb. .08½- —
l.c.l., dms., dlvd. E. of Miss. R..lb. .08 - —
W. of Miss. R.....lb. .09 - —
tanks, dlvd. E. of Miss. R. lb. .06½- —
W. of Miss. R.....lb. .07½- —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Methyl acetone, nat., dms., c.l., contracts, Zone 1..gal. .33½- —
2, ...gal. .36½- —
3, ...gal. .37½- —
4, ...gal. .39½- —
tanks, contracts, Zone 1.gal. .28½- —
2 .....gal. .31 - —
3 .....gal. .32 - —
4 .....gal. .32½- —
Methyl acetone, natural, prices are quoted for direct shipment from refinery f.o.b, shipping point, freight allowed to destination; barrell packing, 2½c. per gal. more, in all brackets. The sale zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass,, Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis., Ala., Ark., Ga., Kans., La., Miss., Neb., N. D., S. C., S. D.; Zone 2, Col., Fla., Okla., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Acetone, synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies..gal. .42 - —
2, frt. alld. E. of Rockies, gal. .45 - —
3, Pacific Coast.....gal. .46 - —
l.c.l., Zone 1, frt. alld, E. of Rockies..gal. .44½- —
2, frt., alld. E. of Rockies..gal. .51 - —
3, Pacific Coast.....gal. .48½- —
tanks, Zone 1, frt. alld. E. of Rockies.....gal. .36 - —
2, ft. alld. E. of Rockies, gal. .38½- —
3, Pacific Coast.....gal. .39½- —
Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast
Alcohol (see Methanol).
Anthranilate, bots. .....lb. 2.10 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.20
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders.lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —
Methyl chloride prices are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices,
Methyl, cinnamate, bots.....lb. 2.45 - 3.75
Formate, dms.....lb. .35 - .36
Iodide, bots., jars.....lb. 5.80 - 5.85
Salicylate, dms.....lb. .40 - .42
cns. .....,42 - .45
Violet toner, bbls.....lb. .38 - —
permanent, bbls. .....lb. .80 - —
Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.lb. .11½- —
l.c.l., same terms.....lb. .12 - —
tanks, same terms.....lb. .10½- —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs. .....lb. 2.35 - —
Chloride, dms., f.o.b. works.lb. .18 - .22
Methylheptenone, bots. .....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.23.00 -44.00
Methylhexyl ketone, dms., tech,, wks..lb. .60 - —
Methylnaphtyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp, bots. .....lb. 3.10 - —
Methylpropyl carbinol (see Carbinol).
Ketone, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .20 - —
tanks .....lb. .15 - —
Metronite pigment, 120 mesh, containers, extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers, extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry-grd., plastic, No. 100, 40 mesh, bgs., c.l., works.ton.35.00 - —
l.c.l. works.....ton.43.75 - —
second grade, bgs., c.l., works..ton.33.00 - —
l.c.l., works.....ton.41.25 - —
250, 100 mesh, bgs., c.l., works..ton.40.00 -50.00
l.c.l., works.....ton.50.00 -60.00
second grade, bgs., c.l., works..ton.28.90 -30.00
l.c.l., works.....ton.39.90 -47.50
300, 140 mesh, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
roofing, bgs., c.l., works..ton.23.50 -30.00
l.c.l., works.....ton.30.00 -37.50
wet-ground, paint or lacquer, bgs., c.l., dlvd. E..lb. .04¼- —
l.c.l., 1,000 lbs., dlvd. E..lb. .04⅜- —
smaller lots, dlvd. E..lb. .05¼- —
paper, wall or coated bgs., c.l., frt. alld., E..lb. .04⅛- —
l.c.l., 1,000 lbs., frt. all., E..lb. .04⅝- —
smaller lots, frt. alld., E..lb. .05⅛- —
rubber, bgs., c.l., frt. alld. E. lb. .04 - —
l.c.l., 1,000 lbs., ft., alld., E..lb. .04½- —
smaller lots, frt. alld. E..lb. .05 - —
wet-ground mica prices are ½c. per pound higher on Pacific Coast
Milk powder, skimmed, roller, bbls., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
spray, bbls., c.l.....lb. .09 - —
l.c.l. .....lb. .10 - —
unskimmed, roller, bbls., c.l..lb. .20 - —
l.c.l. .....lb. .20½- —
spray, bbls., c.l.....lb. .20 - —
l.c.l. .....lb. .20½- —
Millet seed, yellow, bgs.....lb. .03 - .03½
hulled, bgs.....lb. .05½- .06
Mineral spirits (see Petroleum thinner and V M & P, naphtha).
Molasses, blackstrap, tanks..gal. .07 - —
New Orleans.....gal. .06½- —
Molybdate orange (see Orange, molybdate).
Molyderum metal, kgs., 99% powd. cr. No Prices.
Monoamylamine, dms., c.l., wks. lb. .52 - —
l.c.l., works.....lb. .55 - —
Monobutylamine dms., l.c.l., works..lb. .65 - —
Monochlorobenzene, dms.....lb. .06 - .06½
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine .....lb. .75 - 1.00
Mullein flowers, cns.....lb. .85 - .90
Leaves, bls.....lb. .07 - .08
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs.....oz.19.00 -21.00
synth., ambrette, cns., 100 lbs., or more..lb. 3.90 Nom.
5 lbs. to 75 lbs.....lb. 4.20 Nom.
1 lb. .....lb. 4.35 Nom.
ketone, cns., 100 lbs. or more, lb. 4.05 Nom.
5 lbs. to 75 lbs.....lb. 4.35 Nom.
1 lb. .....lb. 4.50 Nom.
xylol. cns., 100 lbs. or more, lb. 1.15 Nom.
5 lbs. to 75 lbs.....lb. 1.25 Nom.
1 lb. .....lb. 1.40 Nom.
Musk root, bls.....lb. .12 - .13
Mustard seed, Bombay, brown, bgs..lb. .06 - .06¼
California, brown, bgs.....lb. .07½- .07½
yellow, bgs.....lb. No stocks.
Chinese, yellow, bgs.....lb. .05¾- .06¼
Danish, yellow, bgs.....lb. .07¾- .08
Dutch, yellow, bgs.....lb. .08 - .08½
English, yellow, bgs.....lb. .08 - .08½
Hungarian, yellow, bgs....lb. .07½- .08
Roumanian, yellow, bgs....lb. .05¾- .06¼
Myrobalans, J1, bgs., shipt..ton.28.50 - —
J2, bgs., shipt.....ton.20.50 - —
R2, bgs., shipt.....ton.20.50 - —
Extract, liquid, 25%, bbls....lb. .03¾- .05¼

N

Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).
Solvent (see S),
Naphthalene, crude, dom., 74 deg., bgs., bbls., wks.... 100 lbs. 2.35 - 2.85
78 deb., bgs., bbls., wks.. 100 lbs. 2.75 - 3.35
Naphthalene, crude, import, bgs., Atl. ports..100 lbs. 2.20 - 2.25
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb, .07¼- —
Naphthalene, refined, balls or flakes, jobbers, cs., same basis..lb. .07½- —
pkgs. (16 oz.), same basis, lb. .08 - —
(12 oz.) same basis..pkg. .06¼- —
chipped, crushed, bbls., same basis..lb, .06½- —
rice, cryst., powd., bbls., same bazis..lb. .07¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls .....lb. .36 - .37½
Chloride, bbls. .....lb. .18 - .20
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls. .....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld.lb. .70 - —
10-lb, tins .....lb. .86½- —
Nitereake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07¼- —
Nitrocellulose, alcohol-soluble, ¼, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls., lb. .20 - —
Nitrocellulose lacquer, 20-30 and 60-80 sec. vis., bbls., works..lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.04 - —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd....unit-ton. 2.20 Nom.
Chemical, Ill....unit-ton. 2.25 - —
East Coast producing points..unit-ton. 2.65 - 2.75
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.65 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitrotoluene, mixed, dms.....lb. .10½- .11
Nutgalls, Aleppo, bgs.. cs.....lb. No prices
Chinese, shipt., cs.....lb. No prices
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .19½- .19¾
110s, bgs., cs. .....lb. .17¼- .17½
West Indian, bgs.....lb. .11½- .12
Nux vomica, bls.....lb. .03¾- .04
powd., bbls., bxs.....lb. .06 - .07

O

Oakbark extract, 25% tan., bbls., c.l., works....lb. .03¼- —
l.c.l., bbls., works.....lb. .03¾- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.S..gal. .13 - —
l.c.l., G.S.....gal. .15 - —
tanks, G.S.....gal. .16½- —
Octyl acetate, dms., c.l.,works.lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.25 - 2.75
a.p.a., bots.....lb. 2.00 - 2.50
sweet, true, exp., cns.....lb. .68 - .70
Amber, crude, cns.....lb. .16 - .17
ref'd. cns. .....lb. .50 - .51
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.64.00 -75.00
Seed, bots.....lb.70.00 -80.00
Anilin (see A).
Anise, USP, cns., dms.....lb. 1.05 - 1.10
Apricot kernel, cns.....lb. .28 - .32
Babassu, tanks.....lb. .06¾ Nom.
Bay, W. I., cns.....lb. 1.35 - 1.50
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers .....lb. 4.00 - —
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms.....lb. .14 - .17
rectif'd, cns.....lb. .65 - .70
Bois de rose, Brazil, cans....lb. 1.55 - 1.60
Cayenne, cns.....lb. 1.50 - 1.75
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .55 - .60
USP IX, cns.....lb. .66 - .72
Calamus, cns. .....lb. 3.75 - 7.50
Camphor, sassafrassy, cns...lb. .20 - .21
dms. .....lb. .17 - .18
white, cns. .....lb. .20 - .21
dms. .....lb. .17 - .18
Cananga, native, cns.....lb. 1.50 - 1.65
rectified, cns.....lb. 2.15 - 2.75
Capsicum (oleoresin), USP VIII, cns...lb. 2.00 - 2.25
Caraway, U.S.P., cns.....lb. 1.95 - 2.05
Cardamom, bots.....lb.20.00 -35.00
Cassia, U.S.P., cns., dms....lb. 1.05 - 1.10
Castor, blown, one-way dms., c.l..lb. .11¼- —
l.c.l. .....lb. .12 - —
medicinal, bbls., c.l.....lb. .09¾- —
l.c.l. .....lb. .10½- —
cns. (1-gal.), l.c.l.....lb. .13½- —
dms. (returnable), c.l....lb. .09½- —
l.c.l. .....lb. .10¼- —
(5-gal.), l.c.l.....lb. .11½- —
tanks .....lb. .09 - —
No. 3, bbls., c.l.....lb. .09¼- —
l.c.l. .....lb. .10 - —
dms. (returnable), c.l....lb. .09 - —
l.c.l. .....lb. .09¾- —
tanks .....lb. .08½- —
Castor oil, med. and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States: Chicago c.l. prices ⅝c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.
sulphonated, 50% (48% fat), dms., c.l..lb. .06¼- .06¾
l.c.l. .....lb. .07¼- .08¼
75% (63% fat), dms., c.l..lb. .09 - .09½
l.c.l. .....lb. .10 - .10½
80% (68% fat), dms., c.l..lb. .09½- .10½
l.c.l. .....lb. .10½- .11
Cedarleaf, cns.....lb. .75 - .80
dms. .....lb. .72 - .77
Cedarwood, Oregon, cns., dms., lb. .28 - .80
Southern, cns., dms.....lb. .20 - .23
Celery, bots.....lb. 8.75 -14.00
Chaulmoogra, USP, cns., 500 lbs. lb. .90 - —
25 lbs .....lb. 1.00 - —
Chinawood, dms.....lb. .13 - .13½
tanks .....lb. .14½- .14¾
Cinnamon, Ceylon, bots.....lb. 8.00 -22.00
Seychelle, bots. .....lb. 6.50 - 7.50
Citronella, Ceylon, cns.....lb. .36½- .38½
dms. .....lb. .34½- .36½
Java, dms.....lb. .41 - .43
Clove, makers, USP, cns....lb. .97 - 1.02
dms. .....lb. .72 - .77
Coconut, Manila, crude, tanks, lb. .03¾- —
Pac. Cst. .....lb. .03½ Nom.
edible, 76°, tax incl., dms., (returnable), c.l..lb. .09¼- —
l.c.l. .....lb. .10 - —
tanks .....lb. .09 - —
Oil, cod, Newfoundland, tanked, bbls...gal. .53 Nom.
Norwegian, shipt., bbls...gal. .34 - .35
Codliver, med., U.S.P., Norwegian, bbls..bbl.27.00 -28.00
Coriander, bots.....lb.20.00 -22.00
Corn, crude, tanks, works...lb. .07⅝- .07½
refd., bbls.....lb. .09¾- .09⅞
Cottonseed, dom., cooking, bbls., lb. .09¼- —
salad, bbls. .....lb. .09⅜- —
import., Brazilian, semi-refd., dms..lb. .04¾ Nom.
British, semi-refd. dms..lb. .05 Nom.
Creosote (see C).
Croton, USP, cns.....lb. 1.30 - 1.35
Cubeb, USP, cns.....lb. 2.85 - 3.10
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.75 - 7.00
Cypress, dom., bots.....lb. 5.25 - 5.30
import., cns.....lb.12.00 -12.25
Degras (see D)
Diesel, Bayonne, bulk.....bbl. 2.10 - —
California, 27 plus, bulk..bbl. 1.00 - 1.25
Dill seed, bots.....lb. 3.00 - 3.75
Weed, bots.....lb. 3.85 - 4.10
Dip (See D):—
Erigeron, cns.....lb. 2.40 - 2.50
Eucalyptus, cns.....lb. .42 - .43
dms. .....lb. .40 - .41
Fennel, sweet, cns.....lb. 1.20 - 1.30
Fuel, bunker, California, tidewater..bbl. 1.05 - 1.20
Gulf Coast.....bbl. .95 - 1.00
Louisiana Arkansas, 10-14, bbl. .80 - .85
N. Y. and N. J. terminals:—
Monday .....bbl. 1.25 - —
Tuesday .....bbl. 1.25 - —
Wednesday .....bbl. 1.25 - —
Thursday .....bbl. 1.25 - —
Friday .....bbl. 1.25 - —
Saturday .....bbl. 1.25 - —
North Texas, 18-22.....bbl. .80 - .85
24-28, zero cold test....bbl. .95 - 1.05
Oklahoma, 18-22.....bbl. .85 - .90
24-28, zero cold test...bbl. 1.07½- 1.12½
24-28, 15 and above.....bbl. .90 - .95
Pennsylvania, 36-40.....gal. .04¾- .05½
Furnace, Bayonne, 1, bulk, refinery..gal. .06 - —
2, bulk, same basis.....gal. .05 - —
4, bulk, same basis.....gal. .05 - —
Louisiana - Arkansas, 32 - 36, light straw..gal. .03¾- .04
Oklahoma, 28-30.....gal. .03¼- .03½
32-36 .....gal. .03½- .03¾
36-38 .....gal. .03¾- .03⅞
38-40, straw.....gal. .03¾- .04
38-40 zero, 60 e.p.....gal. .03¾- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .04¾- —
Gulf Coast, bulk.....gal. .03¾- —
North Texas, bulk.....gal. .03 - —
Oklahoma, bulk.....gal. .03¼- —
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns.lb. 3.65 - 4.50
Bourbon, cns.....lb. 3.65 - 3.80
Turkish (see Palmarosa).
Grapefruit, cns. .....lb. 2.15 - 2.20
Ginger, dist., bots.....lb. 7.75 - 8.00
Guaiac wood, concrete, bots.lb. 2.75 - 3.10
Haarlem, import, bots...gross. 3.25 - 3.35
Halibut-liver, dms .....1,000 A unit-gal. .75 - 1.00
Hemlock, cns.....lb. 1.05 - 1.10
Juniper berry, USP, cns....lb. 1.20 - 1.75
Wood, tech., cns.....lb. .45 - —
Juniper tar, U.S.P.XI, 1,000 lbs. dms..lb. .40 - .45
cns. .....lb. .45 - .50
Lard, common, 1, bbls.....lb. .08¾- —
2, bbls.....lb. .08½- —
extra, bbls.....lb. .10 - —
1, bbls.....lb. .09¼- —
winter, strained, extra, bbls., lb. .01¼- —
prime burning, bbls.....lb. .11¼- —
prime, ed., bbls.....lb. .12¼- —
ined., bbls.....lb. .10¾- —
Laurel, bots.....lb. 6.25 - 6.50
Lavandin, cns., 25 lbs.....lb. 2.25 - —
Lavender flower, French, U.S.P. 50% ester, cns....lb. 5.50 - 5.60
U.S.P., 38-42% ester, cns.lb. 4.75 - 4.90
XI, 35% ester, cns.....lb. 3.70 - 4.50
XI, 30%, ester, cns.....lb. 2.80 - 3.00
IX, 30% ester, cns.....lb. 2.65 - 2.75
VIII, 30% ester, cns.....lb. 2.25 - 2.35
garden, cns .....lb. .42 - .45
spike, Spanish, tech., cns..lb. 1.05 - 1.10
dms. .....lb. .95 - 1.10
Lemon, Calif., cns.....lb. 2.50 - —
Messina, coppers, cns.....lb. 3.45 - 4.00
Lemongrass, native, cns., dms., lb. .40 - .45
Lime, dist., cns.....lb. 4.75 - 5.50
expressed, cns.....lb. 8.00 - 9.50
Linaloe wood, cns..... ....lb. 1.30 - 1.40
Linseed, boiled, bbls., c.l....lb. .1030- .1050
l.c.l., 5 or more.....lb. .1070- .1090
less than 5.....lb. .1110- .1130
tanks .....lb. .0970- .0990
double boiled, bbls., less than 5 lbs. .1130- .1150
raw, bbls., c.l.....lb. .0990- .1010
l.c.l., 5 or more.....lb. .1030- .1050
less than 5.....lb. .1070- .1090
tanks .....lb. .0930- .0950
Lovage, bots .....lb.41.25 -42.00
Lubricating, at refinery (including U.S, tax 4c. per gal.):—
California, green, 70, 80, 100, vis., dms..gal. .20 - —
140 vis., dms.....gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —
green, pale, red, 600, 300, 350, 400, 450, 500, 600, 700 vis., dms..gal. .26 - —
Oklahoma, bright stocks, 100-110 D, color 4, 9-10 pour, tanks..gal. .18½- —
15-25 pour, tanks..gal. .17½- —
150-160 D, color 4½, 9-10 pour, tanks..gal. .20 - —
15-25 pour, tanks.gal. .19 - —
150-160 E, color 5½, 15-25 pour, tanks..gal. .18½- —
190-200 D, color 4½, 15-25 pour, tanks..gal. .23 - —
200-210 E, 15-25 pour, tanks..gal. .22 - —
neutrals, 0-10 pour, 150 vis., 3 color, tanks..gal. .13 - —
160 vis., 3 color, tanks, gal. .14 - —
4 color, tanks....gal. .13½- —
200 vis., 3 color ,tanks, gal. .14½- —
4 color, tanks....gal. .14 - —
260 vis., 3 color, tanks, gal. .15½- —
4 color, tanks....gal. .15 - —
280 vis., 3 color, tanks, gal. .16½- —
4 color, tanks....gal. .16 - —
300 vis., 3½, color, tanks..gal. .17 - —
350 vis., same basis.gal. .17½- —
400 vis., same basis.gal. .18 - —
500 vis., same basis.gal. .18½- —
600 vis., same basis.gal. .19 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour

Oil, Lub.—Paraffin

Oil, lubricating, at rfy., Penn., bright, 600 cold test, 10-40 pour, tanks..gal. .20 - —
10-15 pour, tanks...gal. .21 - —
cylinder, 600 fire, tanks, gal. .12½- —
600 flash, tanks.....gal. .16 - —
630 flash, tanks.....gal. .19 - —
635 fire, tanks.....gal. .13½- —
650 fire, tanks.....gal. .16 - —
Warren, E, amber, tanks, gal. .17 - —
neutral, 150 vis., 3 color, tanks..gal. .24 - —
180 vis.,3 color,tanks.gal. .26 - —
200 vis.,2 color,tanks.gal. .28½- —
spot, Penna., bright, bbls., c.l., f.a.s..gal. .28 - —
unfiltered, 600 s.r....bbls. f.a.s..gal. .21½- —
600 flash, s.r., bbls., c.l., gal. .25½- —
630 s.r., bbls., c.l., f.a.s. gal. .25 - —
Warren, E. bbls., c.l., f.a.s. gal. .25½- —
smaller lots, f.o.b..gal. .27½- —
Mace, dist., cns., dms.....lb. 1.25 - 1.30
Mandarin, superior, coppers..lb. 6.00 - 7.50
Menhaden, crude, tanks, f.o.b. Balto..gal. .37½ Nom.
refd., alkali, dms.....lb. .0930- .0950
tanks .....lb. .0870- —
blown, dms.....lb. .0930- .0950
kettle-bodied, dms.....lb. .1030- .1050
light pressed, dms.....lb. .0870- .0910
tanks .....lb. .0800- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns...lb. 1.90 - 2.00
dist., natural, bots.....lb. 8.50 - 9.00
expressed, bbls.....lb. .75 - .80
Neatsfoot, cold test, bbls....lb. .16¼- —
extra, bbls.....lb. .09½- —
1, bbls.....lb. .09 - —
pure, bbls.....lb. .12¼- —
prime, bbls.....lb. .10¼- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb.115.00 -140.00
Nutmeg, USP, cns., dms.....lb. 1.25 - 1.30
Oiticica, dms.....lb. .12 - .12½
Oleo, 1, bbls.....lb. .09½- —
2, bbls.....lb. .09 - —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., bbls.....gal. 1.00 - 1.10
edible, bbls.....gal. 1.90 - 2.00
foots, bbls.....lb. .09 - .09¼
sulphonated, 50% (43% fat), dms., c.l..lb. .11½- .12
l.c.l. .....lb. .12½- .13
75% (63% fat), dms., c.l..lb. .13½- .14
l.c.l. .....lb. .14½- .15
80% (68% fat), dms., c.l..lb. .14½- .15
l.c.l. .....lb. .15½- .16
Orange sweet, dist., cs.....lb. .90 - —
expressed, African, cns., dms..lb. 1.30 - 1.35
Calif., cns.....lb. 1.75 - —
Florida, cns.....lb. 1.75 - —
Messina, USP, coppers.lb. 2.25 - 3.00
West India, cns.....lb. 1.95 - 2.00
Origanum, Spanish, cns.....lb. .90 - 1.60
Orris, Florentine, concrete, extra strong, bots..oz. 5.25 - 5.50
Palm, Niger, cks.....lb. .04¼- .04¼
shipment .....lb. .03¾- .03½
softs, 12½%, bulk shipt....lb. .0360 Nom.
20%, bulk, shipt.....lb. .0345 Nom.
Sumatra, shipment, bulk...lb. .0375 Nom.
Palmarosa, cns.....lb. 2.05 - 2.75
Palmkernel, bulk, shipt.....lb. .04¼ Nom.
Oil, paraffin, 320° flash, 60-70 vis., **tanks, G. 3..gal. .05¼- —**
330° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots., cns.....lb. 4.50 - 8.00
Peanut, crude, dom, tanks, works..lb. .07¼- .07½
refd., edible, bbls.....lb. .10 Nom.
Pennyroyal, dom., cns.....lb. 1.40 - 1.45
import, cns.....lb. 1.40 - 1.50
Peppermint, natural, cns., dms. lb. 2.10 - 2.35
redist., USP, cns., dms....lb. 2.30 - 2.55
Perilla, dms.....lb. .11 - .11¼
tanks .....lb. .10½- —
Petitgrain, Paraguay, cns....lb. 1.05 - 1.10
Pimento berry, cns.....lb. 3.65 - 7.50
leaf, cns.....lb. 2.40 - 2.50
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal. .52 - .55
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns....lb. 1.02 - 1.05
Putty, bbls., El Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Bost., Provid..gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, blown, bbls.....lb. .14½- .14¾
denat., bbls.....gal. .90 - .91
Red. dist. or saponif, bbls. dlvd..lb. .09¾- .10⅝
dms., dlvd.....lb. .09½- .10½
tanks, dlvd.....lb. .08¾- .09¾
white, dms.....lb. .12½- .13
Rose, artif., bots.....oz. 2.00 - 8.00
natural, coppers.....oz. 5.25 -22.50
Rosemary, Spanish, cns.....lb. .56 - .75
dms.....lb. .51 - .70
Rosin, 1st rectfd., dms.....gal. .53 - .55
2d rectfd., dms.....gal. .55 - .57
3d rectfd., dms.....gal. .59 - .61
Rue, bots.....lb. 2.15 - 2.20
Sage, cns.....lb. 1.45 - 1.50
Sandalwood, Australia, cns..lb. 4.50 - 5.00
E.I., U.S.P., cns.....lb. 5.25 - 5.50
Sardine, crude, tanks, Pac. Cst..gal. .44 - .45
refd., alkali, dms.....lb. .0930- .0950
tanks .....lb. .0870- —
kettle-bodied, dms.....lb. .1030- .1050
light, pressed, dms.....lb. .0870- .0890
tanks .....lb. .0800- —
Sassafras, artif., cns.....lb. .38 - .39
dms.....lb. .35 - .36
natural, cns., dms.....lb. .90 - 1.05
Savin, cns.....lb. 1.50 - 1.60
Savory, cns.....lb. 2.00 - 2.25
Sesame, dom,. refd., white, dms. lb. .10¼- .10½
Shingle stain, bbls., c.l., works, gal. .18 - —
l.c.l., works.....gal. .21 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 9.50 -10.00
Soybean, dom., crude, dms..lb. .0780- .0800
tanks .....lb. .0700- —
refd., dms.....lb. .0880- .0970
tanks .....lb. .0820- —
Spearmint, U.S.P., cns.....lb. 1.60 - 1.70
Sperm, bleach, 38°, dms.....lb. .1000- .1020
45°, dms .....lb. .0930- .0950
natural, dms.....lb. .0880- .0900
Spruce, cans.....lb. 1.05 - 1.10
Sweet birch, North, cns.....lb. 3.25 - 3.50
South, cns.....lb. 1.65 - 2.00
Oil, tallow, acidless, bbls.....lb. .09¼- —
tanks .....lb. .08¾- —
Tansy, cns. .....lb. 4.35 - 4.75
Tar, com'l, dms., c.l., dlvd., E. cities..gal. .26 - —
E. ports .....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., U.S.P., bbls., dlvd. E. ports..gal. .50 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .08½- .08½
Tea Tree (see Oil, ti tree).
Thyme, NF, red. dms.....lb. .60 - 1.50
white, dms. .....lb. .75 - 1.70
Ti tree, cns.....lb. 3.50 - 4.00
Tung (see Oil, chinawood).
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T).
Turtle, cns. .....gal. 4.25 - 5.00
Valerian, bots.....lb.11.00 -12.00
Vetiver, bots. .....lb. 4.35 -16.50
Walnut, crude, dms.....lb. .13¼- —
refd., dms. .....lb. .14¼- —
Whale, refd., natural, dms..lb. .0940- .0960
winter, bleach, dms.....lb. .0980- .1000
Wheat germ, phar., cns., dms. gal.22.50 -30.00
feedstuff, cns., dms.....gal.17.50 -25.00
White, mineral, dom., tech., 50-60 vis., dms.....gal. .42 - —
65-75 vis., dms.....gal. .44 - —
80-90 vis., dms.....gal. .45 - —
U.S.P., 80-90 vis., dms..gal. .49 - —
95-105 vis., dms.....gal. .57 - —
125-135 vis., dms.....gal. .64½- —
140-150 vis., dms.....gal. .68 - —
175-185 vis., dms.....gal. .72½- —
200-210 vis., dms.....gal. .74½- —
320-330 vis., dms.....gal. .80½- —
335-345 vis., dms.....gal. .82 - —
Russian, 80-90 vis., dms., gal. .49 - —
145-155 vis., dms.....gal. .68 - —
175-185 vis., dms.....gal. .72½- —
335-345 vis., dms.....gal. .82 - —
Wintergreen, natural, North, cns..lb. 4.00 - 8.00
South, cns.....lb. 3.05 - 3.75
synth. (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.40 - 2.60
Wormwood, cns.....lb. 2.65 - 2.70
Ylang-ylang, Bourb., bots., cns., lb. 3.50 - 6.00
Manila, bots. .....lb.18.00 -24.00
Opium, USP, cns.....lb.11.50 -12.50
gran., cns.....lb.12.50 -13.50
powd., cns.....lb.12.50 -13.50
Orange, Lake, Persian, bbls...lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash....lb. .10¼- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .10¾- —
Colo., Mont., N. M., Wyo..lb. .10½- —
Other points.....lb. .10 - —
smaller lots, dlvd., Ala., etc..lb. .10¾- —
Ariz., etc.....lb. .11¼- —
Colo., Mont., N. M., Wyo..lb. .11 - —
Other points.....lb. .10½- —
French, Tours, csks, ex dock.. lb. .13¼- —
kgs., ex dock.....lb. .14½- —
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .35 - .40
Orange peel, bitter, bls.....lb. .08 - .09
Sweet, bls.....lb. .10 - .11
Orris root, Florentine, bgs.....lb. .10 - .11
fingers, cs.....lb. .90 - .95
powd., bbls., bxs.....lb. .12 - .13
Verona, bls.....lb. .09 - .10
powd., bxs., cs.....lb. .12 - .13
Orthoanisidin, bbls.....lb. .70 - .74
Orthochloroanilin, dms.....lb. .60 - .75
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works..lb. .16½- —
l.c.l., same basis.....lb. .17½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., dms., same basis...lb. .07 - —
100-lb. tins, same basis.lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .55 - —
Orthonitrochlorobenzene, kgs..lb. .18 - —
Orthonitroparachlorophenol, cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .08 - —
Orthotoluenehydrochloride ....lb. .22 - —
Orthotoluene sulphonate, kgs..lb. 2.00 - 2.05
Orthotoluidin, dms.....lb. .16 - —
Osage orange extract, cryst., bbls., lb. .19 - —
liquid, 42°, bbls.....lb. .08 - —
51°, bbls.....lb. .09 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.65 - 4.00

P

Papain, powd., cs.....lb. 1.75 - 2.00
Paprika, Hungarian, extra fancy, bgs..lb. .21½- .22
medium, bgs.....lb. .20 - .20¼
Spanish, extra fancy, cs.....lb. .30 - .30¼
fair, bgs.....lb. .23 Nom.
fancy, bgs.....lb. .25 Nom.
medium, bgs.....lb. .23½- .24
Para-aminoacetanilide, kgs....lb. .85 Nom.
Para-amylphenol, tertiary, dms., c.l., works..lb. .26 - —
Parachlorophenol, dms.....lb. .45 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .12
l.c.l., dms.....lb. .12½- .15½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .0210- .0215
bbls., c.l., N. Y.....lb. .0205- .0210
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .0210- .0215
bbls., c.l., N. Y.....lb. .0205- .0210
yellow, 124-126 A.m.p., bbls., c.l., N. Y..lb. .02¼-Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l..lb. .0430- —
125-127 A.m.p., bgs., c.l..lb. .0435- —
128-130 A.m.p., bgs., c.l..lb. .0445- —
130-132 A.m.p., bgs., c.l..lb. .0455- —
133-135 A.m.p., bgs., c.l..lb. .05 - —
135-137 A.m.p., bgs., c.l..lb. .05¼- —
138-140 A.m.p., bgs., c.l..lb. .06 - —
143-145 A.m.p., bgs., c.l..lb. .07 - —
refined paraffin prices in cases are ½c. lb. higher than bags price.
match, A.m.p. up to and incl. 110-112 bbls., c.l..lb. .03¼- —
semirfd., solid, 122-124 A.m.p., bgs..lb. .03¼ Nom.

AMERICAN ELDROL
WHITE MINERAL OILS
U. S. P. AND TECHNICAL PETROLATUMS

WHITE OILS, Technical

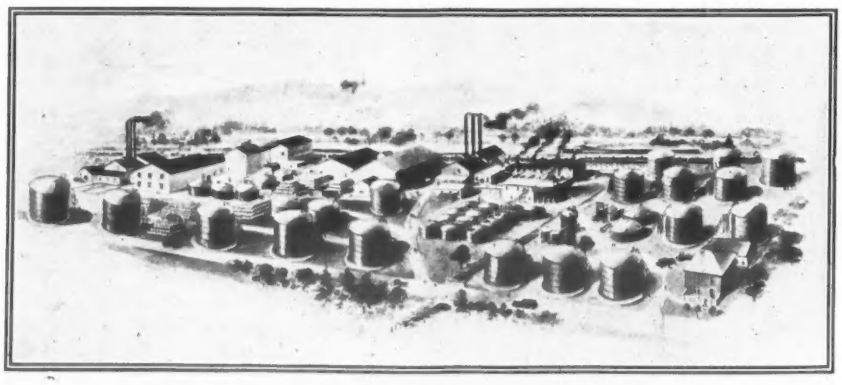
In the general manufacture of

COSMETIC AND TOILET PREPARATIONS

These White Oils find widespread use

•

Outstanding values are offered



We also manufacture and offer the highest grades of U. S. P. White Oils and Petrolatums, U. S. P.

WE INVITE YOUR INQUIRIES

PENNSYLVANIA OIL PRODUCTS REFINING COMPANY

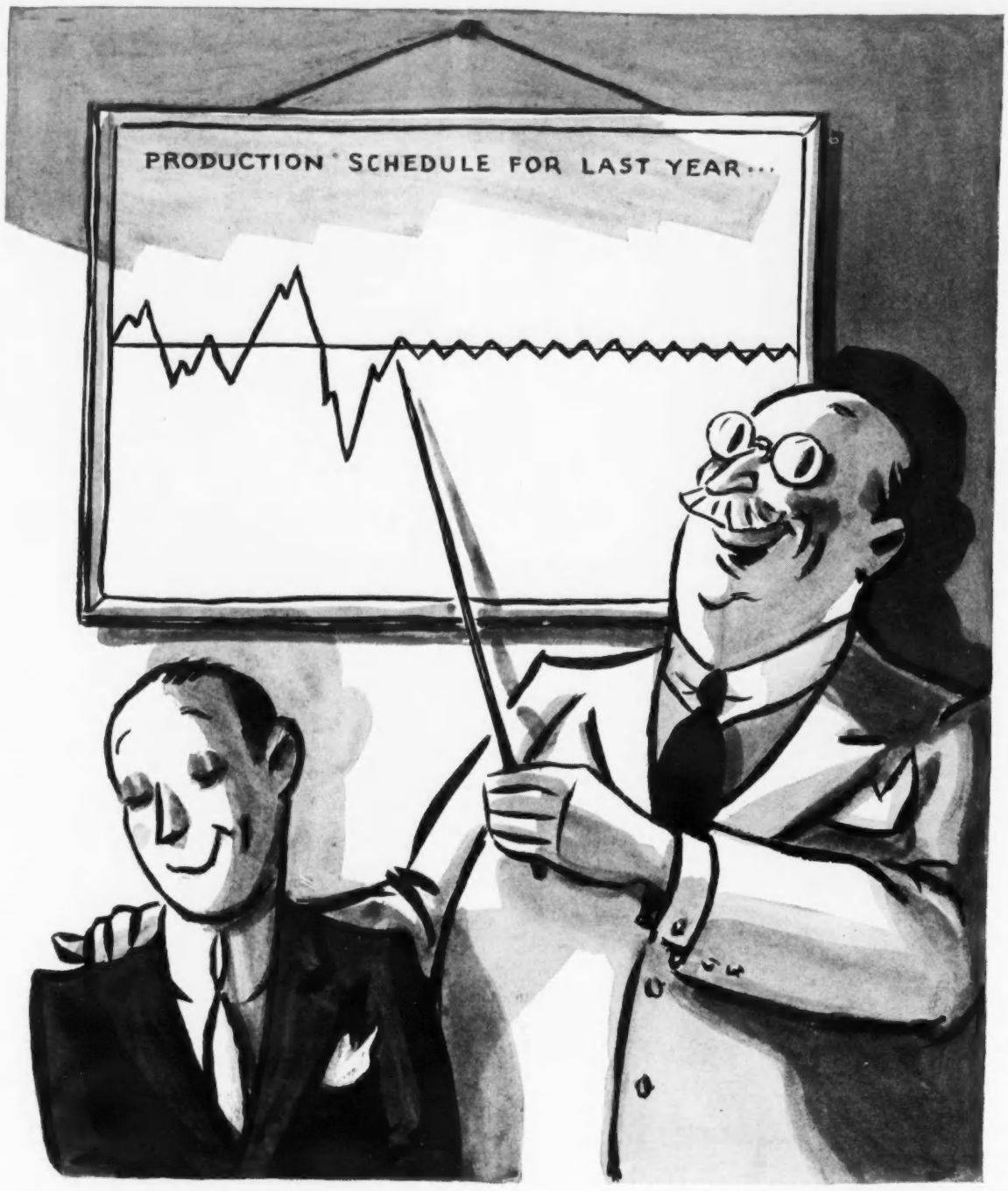
WARREN PENNSYLVANIA

● In plants that use Liquid Chlorine, problems often arise that call for expert technical assistance. Customers know they can call on EBG and get prompt cooperation whenever it's needed. It's a function perfected by thirty years of pioneering experience. Why not put your faith in EBG—the symbol of safety and the sign of good service?

ELECTRO BLEACHING GAS COMPANY

MAIN OFFICE: 60 EAST 42nd STREET, NEW YORK, N. Y. • PLANT: NIAGARA FALLS, N. Y.

EBG Liquid Chlorine
FIRST IN THE COUNTRY



"It was at about this point, gentlemen, that our Mr. Smedley suggested using . . .

Niagara
ALKALI COMPANY
ST 42nd STREET, NEW YORK, N. Y.
Associated with Electro Bleaching Gas Co.
Pioneer Manufacturer of Liquid Chlorine

Niagara Caustic Potash"

P.S. May we suggest that you use Niagara Caustic Soda and Carbonate of Potash, too?

Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C...lb. .34 - —
100 to 900 lbs. shipments, same basis..lb. .35 - —
Paraldehyde, tech., dms., wks..lb. .16 - .18
USP, cbys.....lb. .37 - .45
Paranitro[illegible] kgs., works...lb. .51 - —
P[illegible]benzene, kgs...lb. .15 - —
[illegible]aranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs.....lb. .35 - —
Paraphenyle[illegible]amine, bbls...lb. 1.25 - 1.30
[illegible]phonamide, bbls.lb. .70 - —
[illegible]bbls.....lb. .56 - —
[illegible]a brav root, bls.....lb. .15 - .16
Paris green, dealer, dms., cans, f.o.b. works frt. all'd lb. .25½- .27½
less [illegible] lot, same basis.lb. .26½- .28½
[illegible]sion flower herb, bls.....lb. .07 - .07½
[illegible]ves, bls.....lb. .18 - .20
[illegible], bls.....lb. .18 - .20
Pennyroyal herb, bls.....lb. .07 - .08
leaves[illegible].....lb. .14 - .15
[illegible]orm., 28-38°, dms., c.l., G.3..gal. .12½- —
G.3.....gal. .16 - —
G.3.....gal. .08½- —
[illegible]y grade, dms., c.l., G.3..gal. .16 - —
G.3.....gal. .25 - —
Peppe[illegible] Aleppy, bgs...lb. .07¾ Nom.
L[illegible]ng, bgs.....lb. .06½- .06¾
Tellic[illegible]y, bgs.....lb. .08¾- .09½
Red, bir[illegible]ve, bgs.....lb. .15 Nom.
Japane[illegible]l, bgs.....lb. .20½- .21
Mombas[illegible]bgs.....lb. .21 - .22
White, Ja[illegible]a, Muntok, bgs...lb. .08¾- .09
Singapore, Muntok, bgs....lb. .08½ Nom.
Pepperm[illegible]'eaves, dom,, bls..lb. .32 - .33
impo[illegible]s. .....lb. .40 - .42
Peru, ba[illegible]n, dms.....lb. .77 - .78
Petrolatu[illegible]amber, bbls., c.l., lb. .02¾- —
l.c.l.[illegible].....lb. .03¾- —
extra, [illegible]bls.....lb. .03 - —
l.c.l.[illegible].....lb. .04½- —
cream[illegible]e white, cream)
green [illegible]red)
red, vete[illegible]nary, bbls., c.l....lb. .02½- —
l.c.l.[illegible].....lb. .03½- —
white, cream, bbls., c.l.....lb. .04½- —
l.c.[illegible].....lb. .06½- —
lily, b[illegible]s., c.l.....lb. .05½- —
l.c.[illegible].....lb. .07½- —
snow., bbls., c.l.....lb. .06½- —
l.c.l.[illegible].....lb. .08½- —

Petroleum, crude, bulk, at wells:—
California:—
Alamitos Heights.....bbl. .74 - .95
Athens .....bbl. .84 - 1.66
Belridge .....bbl. .70 - 1.32
Buena Vista Hills.....bbl. .70 - 1.38
Canal-Greely .....bbl. .84 - 1.64
Coalinga .....bbl. .70 - .90
Coyote Hills (West)...bbl. .78 - 1.32
Dominguez .....bbl. .79 - 1.00
East Coyote.....bbl. .76 - .96
Elk Hills.....bbl. .70 - 1.38
Elwood Terrace, f.o.b. shipping point .....bbl. 1.28 - 1.43
El Segundo.....bbl. .80 - 1.21
Huntington Beach.....bbl. .78 - 1.22
Inglewood .....bbl. .79 - 1.27
Kern Front.....bbl. .70 - —
Kern River.....bbl. .70 - —
Kettleman Hills.....bbl. 1.19 - 1.43
La Habra.....bbl. .76 - .96
Lakeview .....bbl. .70 - 1.38
Lost Hills.....bbl. .70 - 1.32
McKittrick .....bbl. .70 - —
Midway - Sunset (except Lakeview)..bbl. .70 - 1.38
Montebello .....bbl. .77 - 1.43
Mt Poso.....bbl. .70 - —
Mountain View.....bbl. .70 - 1.20
Newhall .....bbl. .70 - —
Orcutt .....bbl. .70 - .93
Olinda Brea.....bbl. .76 - 1.27
Playa del Rey, f.o.b. pipeline .....bbl. .80 - 1.10
Richfield .....bbl. .76 - 1.09
Rosecrans .....bbl. .84 - 1.66
Round Mt.....bbl. .70 - —
Santa Fe Springs.....bbl. .78 - 1.42
Santa Paula.....bbl. .70 - 1.01
Seal Beach.....bbl. .79 - 1.19
Signal Hill.....bbl. .80 - 1.21
Torrence .....bbl. .80 - 1.05
Wheeler Ridge.....bbl. .70 - .83
Whittier .....bbl. .76 - .96
Wilmington .....bbl. .75 - 1.21
Canada:—
Oil Springs.....bbl. 2.17 - —
Petrolia .....bbl. 2.10 - —
Central West:—
Illinois .....bbl. 1.35 - —
Lima .....bbl. 1.25 - —
Midland (Mich.).....bbl. 1.12 - —
Princeton .....bbl. 1.35 - —
East Texas.....bbl. 1.35 - —
Gulf Coast:—
Barber's Hill.....bbl. .95 - 1.41
Batson .....bbl. .95 - 1.41
Dayton .....bbl. .95 - 1.41
Esperson .....bbl. .95 - 1.41
Goose Creek.....bbl. .95 - 1.41
Hull .....bbl. .95 - 1.41
Humble .....bbl. .90 - 1.41
Liberty .....bbl. .90 - 1.41
Markham .....bbl. .90 - 1.29
Orange .....bbl. .95 - 1.41
Pettus .....bbl. 1.37 - —
Pierce Junction.....bbl. .95 - 1.41
Refugio (incl. Greta, Taft, Saxet)..bbl. 1.01 - 1.17
Saratoga .....bbl. .95 - 1.41
Sour Lake.....bbl. .90 - 1.41
Spindle Top.....bbl. .93 - 1.41
Sugarland .....bbl. .95 - 1.41
West Columbia.....bbl. .95 - 1.41
Kentucky, Tennessee:—
Big Sandy river.....bbl. 1.42 - —
Kentucky river.....bbl. 1.50 - —
Western Kentucky (Owensboro)..bbl. 1.40 - —
Louisiana, Arkansas:—
Bull Bayou.....bbl. .90 - 1.22
Caddo .....bbl. .90 - 1.22
Cameron Meadows.....bbl. .90 - 1.30
Choctaw .....bbl. .90 - 1.30
Cotton Valley.....bbl. .90 - 1.22
Darrow .....bbl. .90 - 1.30
De Soto.....bbl. .90 - 1.22
El Dorado.....bbl. .90 - 1.22
Haynesville .....bbl. .90 - 1.22
Homer .....bbl. .90 - 1.22
Iowa .....bbl. .90 - 1.30
Lockport .....bbl. .90 - 1.30
Miller County.....bbl. .90 - 1.22
Pine Island.....bbl. .90 - 1.22
Rainbow .....bbl. .90 - 1.22
Rodessa .....bbl. .90 - 1.22
Smackover .....bbl. .90 - —
Tepetate .....bbl. 1.24 - —
Urania .....bbl. 1.02 - —
Mexico, f.o.b. terminals Mexican ports—based on contract:—
Panuco .....bbl. 1.05 - —
Tax, 14.392c. per bbl.
Tuxpan .....bbl. No prices.
Tax, 23.45c. per bbl.
Midcontinent:—
North Texas.....bbl. .96 - 1.20
Oklahoma-Kansas ....bbl. .96 - 1.30
Altus, Tipton (Okla.), bbl. .96 - 1.20

Petroleum, crude, bulk, at wells:—
Pennsylvania, Ohio West Virginia:—
Bradford-Allegany ....bbl. 2.20 - —
Corning .....bbl. 1.27 - —
Pennsylvania grade, in
Buckeye lines..bbl. 1.70 - —
Eureka lines.....bbl. 1.82 - —
N. Y. Transit lines.bbl. 2.20 - —
S. W. Penn. lines..bbl. 1.88 - —
lower district in National Transit lines.bbl. 2.10 - 2.15
Rocky Mountain:—
Big Muddy .....bbl. 1.18 - 1.23
Canon City-Florence...bbl. 1.10 - —
Cat Creek .....bbl. 1.40 - —
Dutton Creek .....bbl. 1.06 - 1.30
Elk Basin .....bbl. 1.30 - —
Fort Collins-Wellington... bbl. 1.01 - 1.25
Frannie, light.....bbl. .82 - —
Grass Creek.....bbl. 1.30 - —
Greybull .....bbl. 1.30 - —
Iles .....bbl. 1.12 - 1.18
Lance Creek.....bbl. .97 - —
Midway .....bbl. 1.06 - 1.30
Rock Creek.....bbl. 1.20½- —
Salt Creek.....bbl. 1.06 - 1.30
Sunburst .....bbl. 1.20 - —
Torchlight .....bbl. 1.30 - —
South, Central and Southwestern Texas:—
Cass County .....bbl. .98 - 1.25
Cleveland-Liberty .....bbl. 1.27 - —
Conroe .....bbl. 1.20 - 1.44
Darst Creek.....bbl. 1.09 - —
Hardin-Liberty .....bbl. 1.15 - —
Luling .....bbl. 1.00 - —
Lytton Springs.....bbl. 1.12 - —
Mirando (incl. Duval).... bbl. .96 - 1.30
Panola County.....bbl. .93 - 1.25
Salt Flat.....bbl. 1.09 - —
Tomball .....bbl. 1.20 - 1.44
Van .....bbl. 1.10 - —
Texas Panhandle:—
Carson-Hutchinson counties, bbl. .91 - 1.03
Gray County.....bbl. .96 - 1.08

Petroleum, crude, bulk, at wells:—
West Texas:—
Artesia, N. M.....bbl. .90 - —
Crane .....bbl. .78 - 1.08
Crockett .....bbl. .78 - 1.08
Ector .....bbl. .78 - 1.08
Glasscock .....bbl. .78 - 1.08
Hogback .....bbl. 1.33 - —
Howard .....bbl. .78 - 1.08
Jackson, N. M.....bbl. .90 - —
Lea, N. M. .....bbl. .78 - 1.08
Maljamar, N. M.....bbl. .90 - —
Mitchell .....bbl. .78 - 1.08
Pecos .....bbl. .91 - —
Upton .....bbl. .78 - 1.08
Winkler .....bbl. .78 - 1.08
Ether, 30-60°, dms., c.l., G. 3, gal. .14 - —
l.c.l., G. 3.....gal. .17 - —
tanks, G.3 .....gal. .13 - —
55-60°, dms., l.c.l., G.3....gal. .35 - —
40-75°, dms., c.l., G.3....gal. .14 - —
l.c.l., G.3.....gal. .18 - —
tanks, G.3.....gal. .13 - —
laboratory grade, dms., c.l., G.3..gal. .16 - —
c.l., G.3.....gal. .25 - —
10-gal. lots, G.3.....gal. .50 - —
Lacquer, diluent, at refinery:—
California 60, 100 l.b.p., 200 e.p., tanks, delvd. Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
f.o.b. Richmond..gal. .11½- —
Willbridge, Ore.; Pt. Wells, Wash..gal. .12 - —
East Coast, tanks....gal. .12 - .12½
Group 3, tanks.....gal. .08¾- —
Naphtha, cleaners, at refinery—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .07¾- —
tankwagon, Boston, ex tax, gal. .13 - —
Bridgeport .....gal. .13½- —
Chicago, inc. 4c. tax..gal. .172 - —
Decatur, inc. 4c. tax..gal. .191 - —
Des Moines, inc. 4c. tax.gal. .189 - —

Paraform.—Petrol. Naphtha

Petroleum, naphtha, cleaners, tankwagon, Evansville, inc. ex tax.....gal. .14½- .15½
Milwaukee, inc. 5c. tax, gal. .203 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .12 - —
New York, ex tax.....gal. .12 - —
Omaha, ex tax.....gal. .144 - .154
Oklahoma City, ex tax.gal. .16 - —
Philadelphia, ex tax...gal. .11½- —
St. Louis, inc. 1c. tax..gal. .157 - —
Syracuse, 150 gals.....gal. .14 - —
smaller lots, galv. drums, gal. .16 - —
milk cans.....gal. .21 - —
high-solvency aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .16 - —
2, over 90% arom., same basis..gal. .18 - —
3, tanks, f.o.b. Bayway..gal. .18 - —
8, tanks, frt. alld. within 100 mi. radius of Paulsboro, N. J..gal. .17 - —
delivery beyond 100 mi., f.o.b. Paulsboro, frt. equald nearest comp. pt..gal. .16¼- —
30, same basis.....gal. .18¼- .19
40, same basis.....gal. .14½- .15½
V. m. & p., at refinery:—
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond, gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 l.b.p., 310 e.p. tanks, dlvd. Los Angeles..gal. .10 - —
San Francisco..gal. .10½- —
Portland, Seattle..gal. .11 - —
East Coast, tanks....gal. .10 - —
Group 3, tanks.....gal. .07¾- —

Low Evaporation Losses

One of Skellysolve's 5 Advantages As A Lacquer Diluent

by A. ERNEST MACGEE

Manager Skellysolve Division, Skelly Oil Company

In developing Skellysolve to fit the exact requirements of our friends in the paint, varnish and lacquer industries, we've given particular attention to your five major solvent problems. One was the problem of evaporation loss, important to you because it wasted your money, created a fire hazard and produced a tendency to blush. And we found that through close cutting of fractions we reduced evaporation losses to a minimum, gave Skellysolve a big advantage as a lacquer diluent.

Through that same close cutting we've been able to solve two other problems, to give Skellysolve other advantages I know you'll find equally valuable. *Freedom from greasy residues,* for instance. Drying is complete and rapid, with minimum gum formation. And *close boiling ranges*—some as low as 15° F. from initial to dry flask end point—that are constant in storage or formulas, with minimum tendency to fractionate.

Besides these three advantages resulting from close cutting, Skellysolve offers *constant uniformity* shipment after shipment, saves you the expense and trouble of changing formulas. And *uninterrupted supply,* that assures you of prompt deliveries, protects you against costly delays or actual shutdowns.

As you know, Skelly pioneered in the development of dependable, uniform, special naphthas. So you'll probably find the exact solvent you need in the wide Skellysolve line. Whatever your requirements, in type and price, I'm sure it will pay you to give us a call.

Skelly pioneered in the development of special petroleum solvents. Today Skelly still pioneers in close cuts, uniformity, rigid quality-control.

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, Skelly Oil Co., 121 W. Wacker Drive, Chicago

Wire or write for information or prices without delay.

Pet. Naphtha—Schaeffer's Salt

Petroleum, naphtha, cleaners, tankwagon, Boston, ex tax gal. .13 - .14
Chicago, inc. 4c. tax..gal. .162 - —
Decatur, inc. 4c. tax..gal. .191 - —
Des Moines, inc. 4c. tax.gal. .189 - —
Evansville, Ind., ex tax.gal. .147 - .157
Milwaukee, inc. 5c. tax.gal. .203 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .12½- —
New York, ex tax.....gal. .10½- —
Omaha, ex tax.....gal. .144 - .154
Philadelphia, ex tax...gal. .12½- —
St. Louis, inc. 1c. tax.gal. .137 - —
Solvent, rubber, at refinery, East Coast, tanks..gal. .09½- .10
Group 3, light, 120 i.b.p., 250 e.p., tanks..gal. .07¾- —
standard, 180 i.b.p., 288 e.p., tanks..gal. .07¾- —
Stoddard (CS 3-38), at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .06¾- —
tankwagon, Boston, ex tax, gal. .12½- .13¼
Chicago, inc. 4c. tax..gal. .150 - —
Decatur, inc. 4c. tax..gal. .131 - —
Des Moines, inc. 4c. tax.gal. .179 - —
Evansville, Ind., ex tax.gal. .135 - .145
Milwaukee, inc. 5c. tax, gal. .198 - —
Minneapolis - St. Paul, inc. 5c. tax..gal. .131 - —
Newark, ex tax.....gal. .11¼- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .11¼- —
Omaha .....gal. .131 - .141
Philadelphia, ex tax...gal. .11¼- —
St. Louis, inc. 1c .tax.gal. .146 - —
Tulsa, ex tax.....gal. .10 - .11
Thinner, at refinery:—
California, 34, 325 i.b.p., 390 e.p., low anilin, tanks f.o.b. Los Angeles....gal. .14 - —
Portland, Ore.....gal. .15 - —
Richmond .....gal. .13½- —
Seattle, Wash....gal. .15½- —
44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore., gal. .10½- —
Richmond .....gal. .10 - —
Southern Calif....gal. .09½- —
56, 200 i.b.p., 300 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Portland, Ore....gal. .12 - —
Richmond .....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks.gal. .09½- .10
47-49, tanks.....gal. .09½- .10
New Jersey, tanks...gal. .09 - —
Group 3, tanks.....gal. .06¾- —
tankwagon, tax included:—
Albany .....gal. .13 - —
Baltimore (100 gals.)..gal. .12½- .15½
25-99 gals.....gal. .13½- .15½
Boston .....gal. .12½- .13½
Bound Brook, North Amboy, N. J..gal. .11¼- .13¼
Bridgeport, Conn. ....gal. .13 - —
Buffalo .....gal. .12½- —
Camden, N. J.....gal. .115 - .136
Chicago .....gal. .159 - —
Decatur, Ill. .....gal. .181 - —
Des Moines .....gal. .179 - —
Evansville, Ind.....gal. .137 - .147
Milwaukee .....gal. .198 - —
Minneapolis-St. Paul...gal. .19½- —
Newark .....gal. .09½- —
New York (200 gals.).gal. .11 - —
smaller lots .....gal. .11¼- .12
Omaha .....gal. .131 - .141
Philadelphia .....gal. .115 - .135
Pittsburgh .....gal. .12 - .14
Providence .....gal. .12½- .13½
Rochester .....gal. .12 - .16
St. Louis .....gal. .147 - —
Syracuse .....gal. .14 - —
Trenton .....gal. .11½- .14
Wilmington, Del.....gal. .11½- .13½
Phenobarbital, bots., 5 lbs....lb. 4.35 - —
bots. or cns., spot or contract, 100 lbs..lb. 4.00 - —
cns., 25 lbs.....lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .14½- .15½
l.c.l., same basis.....lb. .15½- .16¾
under 1,000 lbs.....lb. .16¼- .17¼
tanks, works.....lb. .13½- —
Phenolphthalein, USP, bbls., dms, 2,000 lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs. lb. .87 - .90
yellow, fib., dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.25 - 3.50
Dimethylacetate, cns.....lb.14.50 -15.00
Phenylethylphenyl acetate, bots., lb. 9.25 -15.50
Phenylhydrazine base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots., works..lb. 4.00 - —
commercial, kgs., works...lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins, works.lb.20.00 -22.00
tech., tins, works.....lb.15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.85 - —
70% min., bulk, mines, long ton. 2.35 - —
72% min., bulk, mines, long ton. 2.85 - —
75% basis, 74% min., bulk mines..long ton. 3.85 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75%, bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
Yellow, cs.....lb. .24 - .30
Oxychloride, cyls.....lb. .15 - .18
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .18
Phthalic anhydride, dms., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .08 - .10
Pilocarpine hydrochloride, bots., vis..oz. 2.40 - 2.50
Nitrate, bots., vis.....oz. 2.90 - 3.00
Pimento, bgs.....lb. .15 - .15½
Pinkroot, bls.....lb. .45 - .46
Pitch, Burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l. .....ton.22.00 - —
Pitch, hardwood, 1-time, dm., c.l., dlvd. Akron..ton.23.75-24.00
Linseed, dms.....lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas Pine, bbls.....bbl. 6.00 - 6.25
Plaster of paris (see Gypsum).
Pleurisy root, bls.....lb. .12 - .13
Podophyllin, dms.....lb. 4.80 - 5.00
Poke root, bls.....lb. .07½- .08
Pomegranate bark, bgs.....lb. .17 - .18
Root bark, bgs.....lb. .35 - .36
Poppy flowers, red, bls.....lb. .70 - .75
Seed, Dutch, bgs.....lb. .11½- .12
Polish, bgs.....lb. .11½- .12
Potash acetate, USP, bbls., 250 lbs..lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs.....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .18 - —
kgs., 100 lbs.....lb. .20 - —
gran., bbls., 250 lbs.....lb. .18 - —
kgs., 100 lbs.....lb. .20 - —
Bichromate, spot, c.l., works.. lb. .08⅜- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Binoxalate, dms.....lb. .23 - —
Bisulphate, kgs.....lb. .15½- .18
Bromide, USP., gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05⅝- —
liquid, dms., c.l., dlvd.....lb. .03 - —
l.c.l., dms.....lb. .03½- —
tanks, dlvd.....lb. .02875½- —
USP, gran., bbls., 325 lbs..lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import, dms.....lb. .07 - .07½
liquid, 45% basis, dms.....lb. .03½- .03½
tanks .....lb. .02⅝- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, csks.....lb. .06¼- .06¾
Chlorate, cryst., kgs.....lb. .09¼- .09¾
gran., kgs.....lb. .12 - .13
powd., kgs.....lb. .08½- .09
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 - .06
Chromate, kgs.....lb. .19 - .28
Citrate, USP, gran., bbls., 250 lbs..lb. .34 - —
kgs., 100 lbs.....lb. .35 - —
cns., 50 lbs.....lb. .36 - —
cns., 25 lbs.....lb. .38 - .39
Cyanide, cns., dms.....lb. .55 - .60
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.40 - —
Guaiacolsulphonate, fib., dms., 100 lbs..lb. 1.65 - —
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 110 lbs..lb. .30 - —
Hypophosphite, cns., 100 lbs., lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bbls., bots., 5 lbs....lb. 3.17 - —
cns., 25 lbs.....lb. 3.05 - —
Iodide, bbls., 250 lbs.....lb. .93 - —
bots., or cns.....lb. 1.02 - 1.28
dms. .....lb. .95 - .96
Kainit, 20% K_2O, bulk, c.if., ports, ton..12.25 - —
Manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.i.f. ports, unit-ton. .58½- —
import., 30%, K_2O, bulk, shipt. unit-ton. .58½- —
Metabisulphite, kgs.....lb. .13 - .15
Muriate, dom., all strengths, min. 50% K_2O bulk.. unit-ton. .53½- —
import, all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.i.f. ports..unit-ton. .53½- —
Potash muriate prices in bags are $2 per ton higher than bulk price.
Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., Feb.-May shipt., c.i.f. ports..ton.57.50 - —
Perchlorate, kgs., works.....lb. .09½- .11¼
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .32 - .34
Yellow, bbls.....lb. .15 - .16
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lump, bgs., lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs..lb. .13 - —
kgs., 100 lbs.....lb. .15 - —
powd., bbls., 350 lbs.....lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.i.f. ports..ton.38.00 - —
Xanthate, dms., c.l.....lb. .13 - —
l.c.l. .....lb. .13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt. ton.25.75 - —
Potash-titanium oxalate, kgs...lb. .35 - .40
Prickly ash bark, bls.....lb. .12 - .13
Berries, bls.....lb. .15 - .16
Prince's pine herb, bls.....lb. .22 - .23
Propane, tanks, G.3.....gal. .03 - .04¾
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....gal. .18 - .19
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03 - —
less than 3, works..lb. .03½- —
F and 1, bbls., 3 or over, works..lb. .03½- —
less than 3, works..lb. .04 - —
O, O-½, O-¾, and ½, bbls., less than 3, works..lb. .04½- —
3 or over, works..lb. .04 - —
Ital.-grd., bgs., c.l., shipt. ex dock, N.Y..ton.32.85 Nom.
l.c.l., 5-29 tons, ex whse., ton,37.70 - —
1,000-10,000 lbs., ex whse..ton.38.70 - —
2 bgs. to 1,000 lbs., ex whse..ton.40.70 - —
single bgs., ex whse.ton.45.70 - —
Pumpkin seed, bgs.....lb. .10 - .12
Purple lake (see Red).
Putty, com'l, dms., 1,000 lbs., 100 lbs. 2.90 - —
500-999 lbs.....100 lbs. 3.10 - —
100-499 lbs.....100 lbs. 3.25 - —
linseed oil, raw, dms., 1,000 lbs..100 lbs. 4.65 - —
500-999 lbs.....100 lbs. 4.85 - —
100-499 lbs.....100 lbs. 5.00 - —
refined dms., 1,000 lbs.100 lbs. 5.15 - —
500-999 lbs.....100 lbs. 5.35 - —
100-499 lbs.....100 lbs. 5.50 - —
standard, dms., 1,000 lbs., 100 lbs. 3.65 - —
500-999 lbs, ...100 lbs. 3.85 - —
100-499 lbs. .....100 lbs. 4.00 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Seil test) 55 gal. dms. (incl.), frt. alld. E. of Rockies, standard brand..gal. 5.70 - 6.25
Pyrethrum concentrate, basis (30 to 1) 3.6% pyrethrins 55 gal. dms. (incl.) frt. alld. E. of Rockies, standard brand..gal. 8.50 - 9.00
Pyrethrum, flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. alld., 15 tons or over..lb. .22 - —
fine powd. Japan, bbls., ton lots, frt. alld..lb. .23 - —
Pyridin, denaturing, dms....gal. 1.55 - —
refd., 2° dms.....lb. .45 - —
Pyrites, Spanish, bulk., c.i.f. Atl. ports..unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib, dms., tins..lb. 4.60 - —
Pyroxylin, scrap, amber, cs., works..lb. .15 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works..lb. .16 - —
dense white, cs., works..lb. .12 - —
gray, cs., works.....lb. .10 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia, chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan., bbls., works..lb. .03¼- —
tanks, works.....lb. .03 - —
Quebracho, solid, 63%, bgs., c.i., ex dock, plus duty..lb. .04 - —
Quebracho, clarified, 64%, bgs., c.l., same basis....lb. .04¼- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .09 - .10
Quercitron, extract, liquid, 51°, bbls..lb. .07½- .08½
solid, dms.....lb. .10 - .15½
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y...flasks.76.50 77.00
Quince seed, bgs.....lb. .85 - 1.50
Quinidine, cryst., small cns...oz. .96 - —
large, cns.....oz. .98 - —
powd., precip., cans.....oz. .91 - —
Sulphate, cns.....oz. .67 - —
Quinine, 100 ozs., cns.....oz. .74 - —
Acetate, cns.....oz. .98 - —
Arsenate, cns.....oz. .98 - —
Arsenite, cns.....oz. 1.00 - —
Bisulphate, cns.....oz. .53 - —
Citrate, cns.....oz. .71 - —
Dihydrobromide, bots.....oz. .74 - —
Dihydrochloride, bots.....oz. .74 - —
Ethylcarbonate, cns.....oz. .74 - —
Ferrocyanide, cns.....oz. 1.00 - —
Formate, cns. .....oz. .93 - —
Glycerophosphate, cns.....oz. 1.13 - —
Hydrochloride, cns.....oz. .66⅔- —
Hydrochlorosulphate, cns....oz. .74 - —
Hydriodide, cns.....oz. .98 - —
Hypophosphite, cns..... ....oz. .98 - —
Phosphate, cns.....oz. .81 - —
Salicylate, cns.....oz. .72 - —
Sulphate, USP X, cns.....oz. .53 - —
USP XI, cns.....oz. .59½- —
Quinine, sulphocarbolate, cns..oz. .96 - —
Tannate, cns.....oz. .57 - —
Tartrate, cns.....oz. .96 - —
Valerate, cns.....oz. .92 - —
Quinine-urea hydrochloride cns.oz. .74 - —

R

R salt, bbls.....lb. .52 - .55
Rapeseed, Belgian, bgs.....lb. .06¼- .06¾
Dutch, bgs.....lb. .06¼- .07
Japanese, bgs.....lb. .06 - .06¼
Raspberries, dried, bbls.....lb. .53 - .55
Red, alizarin lake bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - —
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Amaranth (see Red, maroon, lake)
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .91 - —
smaller lots, same basis, lb. .96 - —
kgs., ton lots, same basis, lb. .96 - —
smaller lots, same basis, lb. 1.01 - —
light shade, bbls., ton lots, same basis..lb. .76 - —
smaller lots, same basis, lb. .81 - —
kgs., ton lots, same basis, lb. .81 - —
smaller lots, same basis, lb. .96 - —
light-medium shade, bbls., ton-lots, same basis..lb. .81 - —
smaller lots, same basis, lb. .86 - —
kgs., ton lots, same basis, lb. .86 - —
smaller lots, same basis, lb. .91 - —
maroon shade, bbls., ton lots, same basis..lb. 1.01 - —
smaller lots, same basis, lb. 1.06 - —
kgs., ton lots, same basis, lb. 1.06 - —
smaller lots, same basis, lb. 1.11 - —
medium shade, bbls., ton lots, same basis..lb. .86 - —
smaller lots, same basis, lb. .91 - —
kgs., ton lots, same basis..lb. .85 - —
smaller lots, same basis, lb. .96 - —
Selenide, bbls., dark works..lb. 2.75 - —
light, works.....lb. 2.25 - —
Orange, bbls., 100-lb. lots, works..lb. 1.60 - —
Carmine, 40, cns., 500 lbs....lb. 4.00 - —
100 lbs. .....lb. 4.15 - —
11 lbs. .....lb. 4.40 - 4.50
Crocus martis (see Red, purple oxide).
Eosin toner, blue shade, bbls. lb. 1.55 - —
yellow shade, bbls.....lb. 1.40 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .06¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Red, iron oxide (see Red, oxide).
Lake C toner, bbls., same basis alizarin lake, contracts.lb. 1.25 - —
open order.....lb. 1.30 - —
Lithol toner, bbls., same basis, alizarin lake, contrs..lb. .75 - —
open order.....lb. .80 - —
Rose lake, bbls.....lb. .20 - .30
Pink, bbls.....lb. .15 - .20
Lithol-rubin toner, bbls., same basis alizarin lake.....lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom.... bbls. 1.26 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order..lb. .80 - —
Persian Gulf oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .04½- —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phosphotungstic rhodamine Y, kgs..lb. 4.15 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .45 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide, bbls., dlvd...lb. .03⅝ Nom.
Toluidin toner, kgs., same basis alizarin lake..lb. 1.35 - —
Tuscan, 1, bbls., f.o.b. N. Y., E. St. Louis..lb. .25½- —
2, bbls., same basis.....lb. .30½- —
3, bbls., same basis.....lb. .23½- —
4, bbls., same basis.....lb. .33½- —
5, bbls., same basis.....lb. .24 - —
6, bbls., same basis.....lb. .24 - —
7, bbls., same basis.....lb. .24 - —
8, bbls., same basis.....lb. .23 - —
9, bbls., same basis.....lb. .31½- —
10, bbls., same basis.....lb. .18¾- —
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15% bbls., works.....lb. .0255- —
20%, bbls., works.....lb. .02⅞- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermillion, Amer., bbls., same basis alizarin lake..lb. .15 - —
English quicksilver, bbls., 500 lb. 1.50 - —
smaller lots.....lb. 1.51 - 1.59
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 1.51 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works...lb. 1.50 - 1.55
Rhatany root, bgs. .....lb. .09 - .10
Rhodinol, bots. .....lb. 5.75 -15.00
Rhubarb root, cs.....lb. .45 - .48
powd., bbls., kgs.....lb. .50 - .53
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .16 - —
smaller lots .....lb. .16½- —
powd., bbls., 5,000 lbs., 1 shipm't..lb. .15 - —
smaller lots .....lb. .15½- —
Rose flowers, pale, bls.....lb. .34 - .35
Red, bls.....lb. 2.25 - 2.30
Rosemary flowers, bls.....lb. .35 - .40
Leaves, bls. .....lb. .05 - .06
Rosin, gum, B, bbls., ex dock.... 280 lbs. 5.00 - —
D, bbls.....280 lbs. 5.00 - —
E, bbls.....280 lbs. 5.00 - —
F, bbls.....280 lbs. 6.00 - —
G, bbls.....280 lbs. 6.20 - —
H, bbls.....280 lbs. 6.25 - —
I, bbls.....280 lbs. 6.30 - —
K, bbls.....280 lbs. 6.40 - —
M, bbls.....280 lbs. 6.55 - —
N, bbls.....280 lbs. 6.60 - —
W. G., bbls.....280 lbs. 7.95 - —
W. W. bbls.....280 lbs. 8.35 - —
X, bbls.....280 lbs. 8.35 - —
wood, New York, F. F. bbls., 280 lbs. 6.10 - 7.05
K, bbls.....280 lbs. 6.15 - 7.10
M, bbls.....280 lbs. 7.10 - 8.05
N, bbls.....280 lbs. 7.60 - 8.55
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.35.00 - —
l.c.l., ex whse.....ton.50.00 - —
import., lump, bbls.....lb. .12 - —
powd., bbls. .....lb. .08½- .10
Rue, bls. .....lb. .21 - .23

S

Sabadilla seed, powd., bbls....lb. .19 - .20
Saccharin, dms.. 100 lbs.....lb. 1.70 - —
cns., 25 lbs.....lb. 1.73 - 2.05
Safflower, bls.....lb. .25 - .26
Saffron, Mexican, bls.....lb. .35 - .40
Spanish, tins.....lb.23.00 -24.00
Safrol, cns.....lb. .53 - .54
dms. .....lb. .50 - .51
Sage, Dalmatian, stemless....lb. .06¼- .06¾
garden, bls.....lb. .06½- .07
Sago flour, bgs.....lb. .02¾- .03½
Salicin, bots., 5 lbs.....lb. 5.00 - —
cns., 25 lbs.....lb. 4.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton.12.80 -13.20
l.c.l., bgs., dlvd., N. Y..ton.15.00 -15.60
vacuum, common, fine, bgs., c.l., dlvd., N. Y..ton.15.30 -15.70
l.c.l., dlvd., N. Y. ....ton.16.50 -17.00
Saltcake, grd., dom., bbls., works, ton.19.00 -25.00
bulk, works.....ton.15.00 - —
import, bulk, c.i.f.....ton.15.00 -16.00
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 7.50 - 8.25
1-9 tons.....100 lbs. 7.65 - 8.40
less than ton lots..100 lbs. 7.90 - 8.65
gran., bbls., 10-20 tons.100 lbs. 6.50 - —
1-9 tons.....100 lbs. 6.65 - —
less than ton lots..100 lbs. 6.90 - —
powd., bbls., 10-20 tons.100 lbs. 7.50 - —
1-9 tons.....100 lbs. 7.65 - —
less than ton lots..100 lbs. 7.90 - —
Santonin, cryst., cns.....lb.25.00 -26.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots., 5 lbs.....lb. 1.65 - —
cns., 25 lbs.....lb. 1.50 - —
Sarsaparilla root, Honduras, bls.lb. .42 - .43
Mexican, bls.....lb. .18 - .19
Sassafras, bark, ord., bls.....lb. .13 - .15
select, bls.....lb. .20 - .21
Savory, bbls.....lb. .07 - .07½
Saw palmetto berries, bgs....lb. .08 - .09
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bgs.....lb. .46 - —

Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .12⅝- —
smaller lots.....lb. .13⅛- —
kegs, 5,000 lbs., 1 shipm't.lb. .13⅛- —
smaller lots .....lb. .13⅝- —
Senega root, bls.....lb. .65 - .70
Senna leaves, Alexandria, bls.lb. .10 - .11
Tinnevelly, No. 1, bls.....lb. .10 - .11
2 bls.....lb. .07 - .08
3, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .09 - .10
siftings, bls.....lb. .10 - .11
Pods, bls.....lb. .06 - .07
Serpentaria root, bls.....lb. 1.10 - 1.15
Shellac, bleached, bonedry, bbls., f.o.b,, N.Y..lb. .17 - .17⅛
dlvd. Boston.....lb. .17½- .18
Chicago .....lb. .18 - .18⅛
Pacific Coast.....lb. .20 - .20⅛
refd., bbls., f.o,b. N. Y.....lb. .23 - .24
dlvd. Boston.....lb. .23½- .24⅛
Chicago .....lb. .24 - .25
Pacific Coast.....lb. .26 - .27
Garnet, bgs.....lb. .14 - .15
Orange, D.C., VSO., Diamond, cases..lb. .21 - .22
superfine, bgs., f.o.b. Bost., N. Y..lb. .12 - .12⅛
dlvd. Chicago.....lb. .12½- .13
Pacific Coast.....lb. .15½- .16
T. N., bgs., f.o.b. Bost., N.Y,, lb. .11½- .12
dlvd. Chicago.....lb. .12 - .12⅛
Pacific Coast.....lb. .14½- .15
Shellac varnish, orange, 5-lb. cut, bbls..lb. .85 - .95
4½-lb. cut, bbls.....gal. .80 - .90
4-lb. cut, bbls.....gal. .75 - .85
white, 5-lb. cut, bbls....gal. 1.00 - 1.10
4½-lb. cut. bbls.....gal. .95 - 1.05
4-lb. cut, bbls.....gal. .90 - 1.00
Silica, amorph., dry-grd., 95-97%, 325 mesh,bgs. c.l.,works.ton.17.00 - —
l.c.l., 2½ tons.works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., 2½ tons,works.ton.19.50 - —
smaller lots, works.ton.21.00 - —
400 mesh, bgs., c.l., works, ton.35.00 - —
l.c.l., 2½ tons,works.ton.36.50 - —
smaller lots, works.ton.38.00 - —
96-98%, 3.25 mesh., bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons,works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons,works.ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works..ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver bullion.....oz. .44¾- —
Govt. purchase.....oz. .6464- —
Nitrate, vis.....oz. .32⅝- .34⅝
Nucleinate, bots., cns., 480 ozs., oz. .30 - .31
Proteinate, bots., cns., 480 ozs., oz. .29 - .30
Simaruba bark, bls.....lb. .27 - .28
Skatol, bots.....lb.75.00 -80.00
Skullcap, Eastern, bls.....lb. .30 - .35
Western, bls.....lb. .18 - .20
Skunk cabbage root, bls.....lb. .20 - .23
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .08 - .09
Smalt, black, extra velvet, ctns. lb. .05 - .08
Blue, cts.....lb. .07 - .08½
Snakeroot, Canad., bls.....lb. .24 - .26
Soapbark, bls.....lb. .07 - .08
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls.....lb. .09 - .10
powd., bbls.....lb. .13 - .14
Soda, abietate, dms.....lb. .13 - —
Acetate, anhyd., dms.....lb. .08¼- —
flake, gran., powd., 60%, dms..lb. .04¼- .05
Alginate, dms.....lb. .69 - —
Antimoniate, bbls.....lb. .13¼- .13¾
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms., works.....lb. .08½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .09½
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .13
l.c.l., dms., works.....lb. .09½- .13½
liquid, dms., works.....gal. .30 - .33
powd., bbls.....lb. .13 - .14

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.33 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.08 - —
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Soda, benzoate, USP, dms, 4,000 lbs. or more..lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, gran., bbls., c.l., works..100 lbs. 2.25 - —
powd., bbls., c.l., works.. 100 lbs. 1.85 - —
l.c.l., divd. N. Y...100 lbs. 2.49 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., divd. N. Y...100 lbs. 2.74 - —
Bichromate, spot, c.l., works lb. .06⅞- —
6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .12½- .15
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.25 - 3.35
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works.100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
40 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, U.S.P., gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate, bots., 5 lbs.....lb. 5.81 - —
jars, 25 lbs.....lb. 5.50 - —
Carbonate (see Soda ash, soda menohydrated, soda, sal)
Caustic, flake, 76% 1, grd., powd., ammon. process, bbls., c.l., works..100 lbs. 2.70 - —
dms., c.l., works...100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49% buyer's tanks, works..100 lbs. 1.95 - —
seller's tanks, works, 100 lbs. 1.97½- —
70%, buyer's tanks, works, 100 lbs. 1.97¼- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms., c.l. ,works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .06¾
Citrate, U.S.P., VIII, gran., bbls..225 lbs. .20 - —
cns., 50 lbs.....lb. .22 - —
25 lbs.....lb. .24 - .25
kgs., 100 lbs.....lb. .21 - —
U.S.P. X, gran., bbls., 250 lbs., lb. .26½- —
cns., 50 lbs.....lb. .28½- —
25 lbs.....lb. .30½- .31½
kgs., 100 lbs.....lb. .27 - —
powd., bbls., 250 lbs.....lb. .27 - —
cns., 50 lbs.....lb. .29 - —
25 lbs.....lb. .31 - .32
kgs., 100 lbs.....lb. .28 - —
Cyanide, 96-98%, dom., dms..lb. .16½- .17½
import., cs.....lb. .15 - .16
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9, same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —
95%, bbls., c.l., same basis, lb. .07½- —
l.c.l., 10 or over, same basis..lb. .08- —
5-9 same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —

Soda fluoride prices at Los Angeles are f.a.s. Phila.

Glycerophosphate, N. F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
powd., bbls., 1,000-lb. lots.. lb. 1.05 - —
smaller lots.....lb. 1.20 - —
cns., 25 lbs.....lb. 1.45 - —
Hydrosulphite, bbls.....lb. .16 - .17
Hydroxide, USP., sticks, cns., 160 lbs..lb. .23 - .24
Hypophosphite, N.F., cns.., 100 lbs..lb. .67 - —
Hyposulphite, cryst., large, bgs, c.l., wks, frt. equal'd, 100 lb. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., wks, frt. equal'd 100 lbs. 2.50 - —
bbls., same basis..100 lbs. 2.70 - —
100 lbs. 2.40 - 2.65
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs., and over, bgs., wks..100 lbs. 2.75 - 3.00
bbls., wks.....100 lbs. 2.95 - 3.20
dms., wks.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., wks..100 lbs. 2.85 - 3.10
bbls., wks.....100 lbs. 3.05 - 3.30
dms., wks.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., wks, 100 lbs. 3.10 - 3.35
bbls., wks.....100 lbs. 3.30 - 3.55
dms., wks.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., wks, 100 lbs. 3.70 - 3.95
bbls., wks.....100 lbs. 3.90 - 4.15
dms., wks.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 1.90 - 1.95
Mandelate, bots., 5 lbs.....lb. 3.30 - —
jars, 25 lbs.....lb. 3.20 - —
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, anhy., chip, bgs., dms., c.l., works..... 100 lbs. 3.00 - —
l.c.l., works.....100 lbs. 3.25 - —
ground, dms., c.l., works.. 100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.40 - —
cryst., bbls., c.l.....100 lbs. 2.90 - —
gran., bbls., c.l., works.100 lbs. 2.20 - —
100 lbs. 2.20 - —
Molybdate, tech., anhyd., kgs., lb. No prices.
cryst., kgs.....lb. No prices.
Monohydrated, bbls.....100 lbs. 2.00 - —
works .....100 lbs. 2.30 - —
Naphthanate, bbls.....lb. .19 - —
Naphthionate, bbls.....lb. .52 - .54—
Nitrate, crude, c.l., 100-lb. bgs., Feb.-June delivery, f.o.b. cars producing point or ports, rail or boat shipment..ton.29.00 - —
Soda, nitrate, crude, c.l., 200-lb. bgs., same basis..ton.28.30 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 tons.. 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
pwd., bbls., ton lots 100 lbs. 5.65 - —
smaller lots.....100 lbs. 5.90 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized.lb. .06¾- —
c.l., West Coast, f.o.b. f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08½- .11½

Soda nitrite l.c.l. price range represents delivery at various points.

Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .11 - —
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l. works.....lb. .15¼- —
Phosphate, dibasic, tech., bgs., c.l., works..100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.40 - —
monobasic, anhyd., bbls., c.l., 100 lbs. 7.45 - —
l.c.l. .....100 lbs. 8.20 - —
tribasic, bgs., c.l., works, 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.40 - —
bbls., c.l., works...100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
kgs., c.l., works....100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.10 - —
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., works, lb. .09½- .10
Pyrophosphate, anhyd., c.l. bgs. 100 lbs. 8.00 - —
bbls. .....100 lbs. 8.20 - —
l.c.l., bgs.....100 lbs. 8.80 - 9.05
bbls. .....100 lbs. 9.00 - 9.25
crystals, bgs.....100 lbs. 7.80 - —
bbls. .....100 lbs. 8.00 - —
l.c.l., bgs.....100 lbs. 8.30 - 8.55
bbls. .....100 lbs. 8.50 - 8.75

Soda pyrophosphate anhydrous and crystal prices are delvd.—Me., N. H., Vt., Mass., Conn., N. J., N. Y., R. I., Del., Md., D. of C., and Pa., east of Altoona. Other territory, f.o.b. works, for equalized with producing points.

Pyrophosphate, anhyd., bbls.lb .10 - —
cryst., bbls.....lb. .09½- —
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquisilicate, dms., c.l., works. 100 lbs. 3.00 - —
20 dms. and up, dlvd.N.Y.C. 100 lbs. 3.65 - —
5-19 dms.....100 lbs. 4.10 - —
1-4 dms.....100 lbs. 4.30 - —
Silicate, 40° turbid., dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works.. 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works.. 100 lbs. 1.65 - —
1-4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls....lb. .05¾- .06
import., bbls.....lb. .05¾- .06
Stannate, dms.....lb. .28½- .31½
Stearate, lump, powd., bbls., works..lb. .24 - —
Sulphate, anhyd., bgs., bbls. c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works..... 100 lbs. 1.70 - 1.90
less than 5 tons, works... 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 2.75 - —
less than 5 tons, dlvd.. 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 3.50 - —
less than 5 tons, dlvd. 100 lbs. 3.75 - —
Sulphite, cryst., bgs., works.. 100 lbs. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4 .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite)
Tungstate, CP., kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent naphtha, high-flash, dms., works, frt. equald..gal. .36 - —
tanks, same basis.....gal. .31 - —
water-white, dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld..gal. .30 - —
W. of Omaha, works.gal. .30 - —
Nitrate, vis.....oz. .32⅝- .34⅝
Sorbitol, com'l, solut., dms., c.l., works..lb. .18 - —
l.c.l. .....lb. .19- —
Sparteine sulphate, cns.....oz. 1.00 - 1.05
Spearmint leaves, bls.....lb. .19 - .20
Spikenard root, bls.....lb. .14 - .6
Spruce extract, bbls., works...lb. .01⅝- —
tanks, works.....lb. .01⅛- —
powd., bgs.....lb. .04 - —
super, bbls., works.....lb. .01⅞- —
tanks, works.....lb. .01⅜- —
Squawvine leaves, bls.....lb. .16 - .17
Squill red, bls.....lb. .14 - .15
White, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .12 - .13
St. Ignatius beans, bgs.....lb. .45 - .50
St. John's bread, bls.....lb. .05 - .06
Starch, corn, pearl, bgs..100 lbs. 2.88 - 3.08
powd., bgs.....100 lbs. 2.98 - 3.18
Potato, dom., bgs.....lb. .03½- .05
import, bgs.....lb. .05 - .06
Rice, bbls.....lb. .07¼ Nom.
Wheat, thick boil, bbls.....lb. .06⅝ Nom.
Staveacre seed, bgs.....lb. .17 - .18
Stearin, oleo, bbls.....lb. .07¼- .07½
Stillingia root, bls.....lb. .09 - .10
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .48 - .49
Stramonium leaves, bls.....lb. .11 - .12
Seed, bgs.....lb. .09 - .10
Strontium bromide, fib, dms..lb. .57 - .59
kgs., 150 lbs.....lb. .55 - —
Carbonate, pure, bbls.....lb. .30 - .31
Iodide, jars, 25 lbs.....lb. 2.70 - —
bots., 5 lbs.....lb. 2.75 - —
Nitrate, dom., bbls., c.l., works..lb. .08¼- —
25 bbls. and over.....lb. .08⅜- —
1-4 bbls. and over.....lb. .09¼- —
import, bbls.....lb. .08¼- .09¼
Strophanthus seed, Kombe, bgs.lb. 1.25 - 1.30
Strychnine, cryst., cns.....oz. .48 - .51
powd., cns.....oz. .38 - .41
Acetate, cns.....oz. .64 - —
Arsenate, cns.....oz. .66 - —
Arensite, cns.....oz. .64 - —
Glycerophosphate, cns.....oz. .65 - —
Hydrochloride, cns.....oz. .64 - —
Hydrophosphite, cns.....oz. .75 - —
Nitrate, cns.....oz. .58 - —
Phosphate, cryst., cns.....oz. .65 - —
Sulphate, cryst., cns.....oz. .42 - .45
powd., cns.....oz. .52 - .55

Seidlitz Mixt.—Terpineol

Styralyl acetate, bots.....lb. 6.75 - 7.00
Sucrose octa - acetate, denat. grade, bbls., l.c.l., works.lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .70 - 1.10
Milk., bbls., c.l.....lb. .15 - —
l.c.l., 10 or over.....lb. .16 - —
less than 10.....lb. .17 - —
Sulfanilamide, 5 lb. bots.....lb. 2.20 - —
fib., dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulhpur, crude, bulk, 1,000 tons, mines, contracts, long ton.18.00 - —
c.l., spot, nearby, long ton.21.00 - —
ex vessel, Balto., N. Y., Phila., Southern ports, long ton.22.00 -25.00
Bost., Portland..long ton.22.50 -25.50
flowers, bgs., c.l., works.100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.25 - —
l.c.l., bgs., works..100 lbs. 3.25 - 3.75
bbls., wks.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works..100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works..100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., works, 100 lbs. 1.65 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 2.35
bbls., works.....100 lbs. 2.60 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works.....100 lbs. 3.20 - —
heavy, bgs, c.l., works.100 lbs. 2.55 - —
bbls., works.....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, bgs., c.l., works..... 100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works..100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.30 - —
l.c.l., bbls., works.100 lbs. 2.15 - —
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.25
Chloride, 55-gal. dms., c.l.....lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .05
refrigeration, cyls., works.lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide bots., jars.....lb. 3.80 - 3.85
Sumac, grd., Sicilian, bls....ton.66.00 - —
leaf, bales.....ton.69.00 - —
Extract, 42°, bbls.....lb. .05¼- .06¼
51°, bbls.....lb. .06½- .08½
stainless, bbls.....lb. .06½- .08½
Sunflower seed, Calif., large, bgs., lb. .06 - .06½
medium, bgs.....lb. .04¾- .05¼
poultry, bgs.....lb. .04¼- .04¾
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 9.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.50 - —
triple, 44-45%, a.p.a. bulk, f.o.b. Balto..unit-ton. .85 Nom.

T

Talc., dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 95-94%, 325 mesh, bgs., c.l., mills, ton.14.00 - —
l.c.l., mills.....ton.16.00 - —
95-98%, 325 mesh, bgs., c.l., mills..ton.15.00 - —
l.c.l., mills.....ton.17.00 - —
98-88 %, 325 mesh, bgs., c.l., mills..ton.15.25- —
l.c.l., mills.....ton.17.25 - —
99.85-99.95%, 325 mesh, bgs., c.l., mills...ton.17.00 - —
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, alum-magn. type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.00 - —
Vermont, bgs., c.l., mills, ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills...ton.11.50 -15.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.22.00 -25.00
l.c.l., ex whse.....ton.27.50 -32.00
Italian, I, bgs., ex dock, arrival..ton.85.00 -87.00
ex whse.....ton.85.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible, bbls..lb. .07 Nom.
extra, loose, works.....lb. .05⅞- —
special, loose, works.....lb. .05¼- —
sulphonated 35% (24% fat), dms., c.l..lb. .05 - .05½
l.c.l .....lb. .06 - .06½
50% (43% fat) dms., c.l..lb. .07 - .07½
l.c.l. .....lb. .08 - .08⅛
50% (48% fat), dms., c.l..lb. .07½- .08
l.c.l. .....lb. .08½- .09
Tamarinds, W. I., bbls.....lb. .06 - .06½
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 10-12% ammon., 15-20% b.p.l., bulk..unit-ton. 3.00 & .10
unground, 9-11% ammon., 15-20% b.p.l., bulk..... unit-ton. 2.80 & .10
fertilizer grade, 10-11% ammon., 15-20% b.p.l., bulk, Chicago...unit-ton. 2.65 & .10
high-grade feeding, bulk, Chicago..unit-ton. 3.25 & .10
import., S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.l.f. ports ship. unit-ton. 3.20 & .10
Tansy leaves, bls.....lb. .18 - .19
Tapioca, flour, bgs.....lb. .03¼- .06½
Tar acid oil, 15%, dms., c.l., works..gal. .22½- —
l.c.l., same basis.....gal. .25½- —
25%, dms., c.l., works....gal. .26½- —
l.c.l., same basis.....gal. .29½- —
Pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
dlvd., ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tartar emetic tech., fine gran., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
powd., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
USP, powd., bbls.....lb. .32 - .32½
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .77 - 1.00
Terpin hydrate, kgs.....lb. .45 - .49
Terpineol, CP, cns.....lb. .25 - —
dms. .....lb. .23 - —

Terpineol—Whiting

Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., works.lb. .08 - .08½
Tetrachloroethylene, CF, dms..lb. .21½- —
tech., dms.....lb. .09½- —
Tetralin, dms.....lb. .12 - —
Thallium sulphate, 90% pure, dms. works..lb. 7.25 - 7.50
Theobromine, cns.....lb. 1.85 - 1.95
Sodiosalicylate, cns.....lb. 1.65 - 1.75
Thiocarbanilide, dms.....lb. .24 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .17½- .18
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns., 25 lbs.....lb. 1.55 - —
Iodide, kgs., 50 lbs.....lb. 3.15 - 3.20
25 lbs.....lb. 3.25 - 3.30
Tin crystals, bbls., kgs.....lb. .34 - .34½
Metal, Straits.....lb. .41¾- —
Oxide, bbls.....lb. .47 - .49
Tetrachloride, anhyd., bbls...lb. .21 - —
Titanium, dioxide, bgs., c.l. (20 tons), E. frt. alld..lb. .16 - —
Pac, cst., f.o.b. terminals, lb. .16 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16½- —
Pac. cst., ex whse...lb. .16½- —
50-999 lbs., E, dlvd.....lb. .16¾- —
Pac. cst., ex whse....lb. .16¾- —
under 50 lbs., E. dlvd..lb. .19 - —
Pac. cst., ex whse....lb. .19 - —
bbls., c.l. (20 tons), E. frt. alld..lb. .16¼- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16¾- —
50-999 lbs., E. dlvd.....lb. .17 - —
phthalate-treated, bgs., c.l., (20 tons) E. frt. alld..lb. .24 - —
Pac. cst., f.o.b. terminal..lb. .24 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .24½- —
Pac. cst., ex whse..lb. .24½- —
Titanium dioxide, phthalate treated, bgs., l.c.l., 50-999 lbs., E. dlvd..lb. .24¾- —
Pac. cst., ex whse..lb. .24¾- —
under 50 lbs.....lb. .27 - —
bbls., c.l. (20 tons) E. frt. alld..lb. .24¼- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .24¾- —
50-999 lbs., E. dlvd...lb. .25 - —
pigment, barium, calcium, or magnesium base, bgs., c.l., E. frt. alld....lb. .05½- —
Pac. cst., f.o.b. terminal, lb. .05¾- —
l.c.l., E. dlvd.....lb. .06½- —
Pac. cst., ex whse..lb. .06½- —
under 50 lbs., E. dlvd.lb. .06¾- —
bbls., c.l., E., frt. alld...lb. .06½- —
l.c.l., E. dlvd.....lb. .06¾- —
Tolidin base, kgs.....lb. .88 - .90
distilled, kgs.....lb. .95 - 1.00
Tolu, balsam, cns.....lb. .45 - .50
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —
W. of Omaha, works....gal. .30 - —
Tonga vine, NF, bls.....lb. .26 - .27
root, bls.....lb. .30 - .31
Tonka beans, Angostura, cks..lb. 2.50 - 2.60
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .80 - —
Tributylamines, dms., l.c.l., works lb. .70 - —
Trichloroethylene, dms., c.l., works, frt. alld. Zone A..lb. .089 - .09
l.c.l., dms.....lb. .094 - .095
Zone B, c.l.....lb. .104 - .105
l.c.l., dms.....lb. .109 - .110
Zone C, dms., l.c.l.....lb. .104 - .105

Zone A is East of the Rockies; B takes in Rocky Mountain States, and Zone C represents Pacific Coast States.

Tricresyl phosphate, CP, cns., dlvd..lb. .42 - .53
dms., c.l., dlvd.....lb. .36 - —
500 lbs., dlvd.....lb. .39 - —
tech., 1, dms., c.l.....lb. .24½- —
500 lbs., dms.....lb. .25 - —
less than 500 lbs., dms.lb. .28 - .39
2, dms., c.l.....lb. .23½- —
500 lbs., dms.....lb. .24 - —
less than 500 lbs.....lb. .27 - .38
Triethanolamine, dms., c.l., works, lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Triphenyl phosphate, dms.....lb. .34 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double-grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works..ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 98%, dms., lb. No prices
99%, dms.....lb. No prices
Oxide, CP, kgs.....lb. No prices
tech, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .05¾- .06¼
Madras, bgs.....lb. .06½- .07
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .31½- —
l.c.l., 10, ex dock.....gal. .33½- —
5, ex dock.....gal. .35½- —
wood, dest.-dist., dms., c.l., dlvd. E. cities, ports...gal. .36 - —
l.c.l., same basis....gal. .38 - —
tanks, dlvd. E. cities..gal. .33 - —
steam-dist., dms., c.l., dlvd.gal. .29 - —
l.c.l., dlvd.....gal. .32 - —
tanks, dlvd.....gal. .24 - —

U

Unicorn root, false (see Helonias root). True (see Aletris root).
Uranium oxide, kgs.....lb. 1.50 - —
Urea, dom., 46 + % N, bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
import, 46% N. bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse.101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. NH_3 unit. 1.04 - —
Uva ursi leaves, bls.....lb. .11 - .13

V

Valerian root, bls.....lb. .12 - .13
Valonia, beards, bgs., shipt..ton.50.00 - —
Cups, bgs., shipt.....ton.35.50 -37.50
Vanilla beans, Bourbon, tins..lb. 3.35 - 3.75
Mexican, tins.....lb. 4.25 - 4.50
cut, tins.....lb. 3.35 - 3.75
South American, tins.....lb. 3.60 - 3.75
Vanillin, ex eugenol, 25-lb. tins. lb. 3.10 - —
5-lb. tins.....lb. 3.20 - —
Vanillin, ex guaiacol, 10c. per lb. less.
Venice turpentine, true, cs....lb. .42 - .44
Verdigris, bbls., kgs.....lb. .24 - .30
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .58 - .60
Tree bark, bls.....lb. .25 - .28
Wattle bark, bgs., shipt.....ton.39.75 -41.75
Extract, bbls.....lb. .04¾- —
Wax, bayberry, import, bgs...lb. .16⅞- .17
Bees, white, bleach, slabs, cs., 500 lbs. .35 - .39
yellow, crude, Africa, bgs., lots of 10..lb. .24 - .25
1 bg.....lb. .24½- .25½
Brazil, Chile, bgs., 5-10 tons..lb. .25½- .26
1 ton.....lb. .26 - .26½
500 lbs.....lb. .26½- .27
100 lbs.....lb. .27 - .27½
refd., slabs, cs., lbs...lb. .32 - .35
Candelilla, bgs., 1 ton.....lb. .13½- .14
jobbing lots.....lb. .14 - .14½
Carnauba, No. 3, bgs., chalky, 1 ton..lb. .33 - .34
5 bgs.....lb. .33½- .34½
1 bg.....lb. .34 - .35
N. C. 2, bgs.....lb. .36 - .37
N. C. 3, bgs., 1 ton.....lb. .33 - .33½
5 bgs.....lb. .33½- .34
1 bg.....lb. .34 - .34½
refined, bgs.....lb. .36¼- .38
yellow, No. 1, bgs., 1 ton..lb. .39½- .41
5 bgs.....lb. .40 - .41½
1 bg.....lb. .40½- .42
No. 2, bgs.....lb. .38½- .40
Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .08½- —
jobbing lots.....lb. .09½- —
150°-160° m.p.,bgs., 1 ton.lb. .09½- —
jobbing lots.....lb. .10½- —
160° m.p., bgs., 1 ton.....lb. .10½- —
jobbing lots.....lb. .11½- —
Japan, cs.....lb. .10 - .10¼
Montan, bgs., c.l.....lb. .11 - —
5 tons.....lb. .11¼- .11¾
less than 1 ton.....lb. .11½- .12
Ozokerite, hard green, congeal p. 66°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .38 Nom.
snow-white, pure 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .23 - .24
cakes, cs .....lb. .24 - .25
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .06 - .06¼
White precipitate, powd., 5-lb. bots..lb. 1.59 - —
dms., 50 lbs., or more...lb. 1.46 - —
Whiting, chalk, com'l., dry-grd., blp. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap bgs., c.l., works..ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grnd., blp., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works..ton.14.60 -15.50
l.c.l., works.....ton.15.60 -16.50
extra bolted, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works..ton.14.60 -17.50
l.c.l., works.....ton.15.60 -18.50
Paris white, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.60 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.60 -21.50
English cliffstone (see Whiting, chalk, Paris white).
limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l., ton.. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis.ton. 8.60 - —
50% 200 mesh, paper bgs., c.l., same basis.....ton. 6.25 - —
gilders, bgs, (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., (extra), c.l., works..ton.12.50 - —
l.c.l., 8-20 tons, works, ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs., (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works....ton.25.00 - —

Preview of Quality
Many of our best customers started with a "Send us a sample" note...and came back with a "Here is an order" letter. It's a pleasant way of getting acquainted because quality is always the deciding factor. May we give you a preview of Witco quality with samples of these or other products that are important in your production?
• CARBON BLACK
• LITHOPONE
• STEARITE
TITANIUM DIOXIDE
WITCO

WITCO

WISHNICK-TUMPEER, INC.

Manufacturers and Importers

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Chicago . . . . . Tribune Tower
Cleveland . . . . 616 St. Clair Ave., N. E.

Witco Ltd., Bush House, London, W. C. 2, England
Witco Affiliates:
Witco Oil & Gas Company • The Pioneer Asphalt Company • The Panhandle Carbon Company

BUY DIRECT AND PROFIT DIRECTLY

Wild cherry bark, thick, natural, bls..lb. .04½- .05
rossed, bls.....lb. .06½- .07
thin, natural, bls.....lb. .06½- .07
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF, bbls..gal. .40 - .45
Leaves, bls.....lb. .07 - .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works..ton.20 00 - —
import, 40-60 mesh, bgs., ex dock..ton.20.00 - —
70-80 mesh, bgs., ex dock.ton.22.00 - —
100 mesh, bgs., ex dock...ton.27.00 - —
120 mesh, bgs., ex dock...ton.33.00 - —
Wormseed, American, bgs....lb. .10 - .11
Levant, bgs.....lb. 3.90 - 4.00
Wormwood, bls.....lb. .08 - .09

X

Xylol (xylene), coml., dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld., gal. .30 - —
W. of Omaha, works...gal. .30 - —
Xylol, nitration tanks, E. of Omaha frt. alld..gal. .41 - —
W. of Omaha, works....gal. .41 - —
5°, dms., works.....gal. .41 - —
tanks, E. of Omaha, frt., alld., gal. .36 - —
W. of Omaha, works....gal. .36 - —
10°, dms., works.....lb. .38 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
W. of Omaha, works....gal. .33 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.30
Yellow, cadmium, CP, import., bxs..lb. 1.80 - 2.50
lithopone, all shades, bbls., 1 ton, works, frt. alld.lb. .51 - —
smaller lots, same basis, lb. .56 - —
kgs., ton lots, same basis..lb. .56 - —
smaller lots, same basis, lb. .61 - —
sulphide, orange, bbls., works, lb. 1.50 - 1.60
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .14½- —
open order.....lb. .15½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.). Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03½- —
yellow, A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01⅝- —
French, all shades, cks., c.l., ex dock Balto., Boston, N. Orleans, for import. lb. .02475- —
New York (f.o.b.)..lb. .02⅝- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle....lb. .03 - —
San Pedro, S. Francisco..lb. .0290- —
l.c.l., ex dock, Balto., Boston, N. Orleans...lb. .02575- —
New York.....lb. .02½- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle....lb. .03⅛- —
San Pedro, S. Francisco..lb. .03 - —
ex whse., Balto., Boston, N. Orleans..lb. .02725- —
Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis. lb. .03⅝- —
Mnneapolis .....lb. .03½- —
New York.....lb. .02¾- —
Pittsburgh .....lb. .03¼- —
Portland, Seattle...lb. .03⅝- —
San Pedro, S. Francisco..lb. .03¼- —
f.o.b. N. Y., from dock, lb. .02¾- —
from whse.....lb. .02⅞- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem Easton, N.Y. lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06½ —
l.c.l., works .....lb. .06¾- —
Persian orange (see O).
Zinc, bbls., same basis chrome CP. contracts..lb. .18 - —
open order .....lb. .19 - —
Yellow dock root, bls.....lb. .09 - .10
Yellow root (xanthoriza), bls..lb. .09 - .10
Yerba santa leaves, bls.....lb. .08½- .10
Yohimbine hydrochloride, vls..oz, 2.50 - 2.55

Z

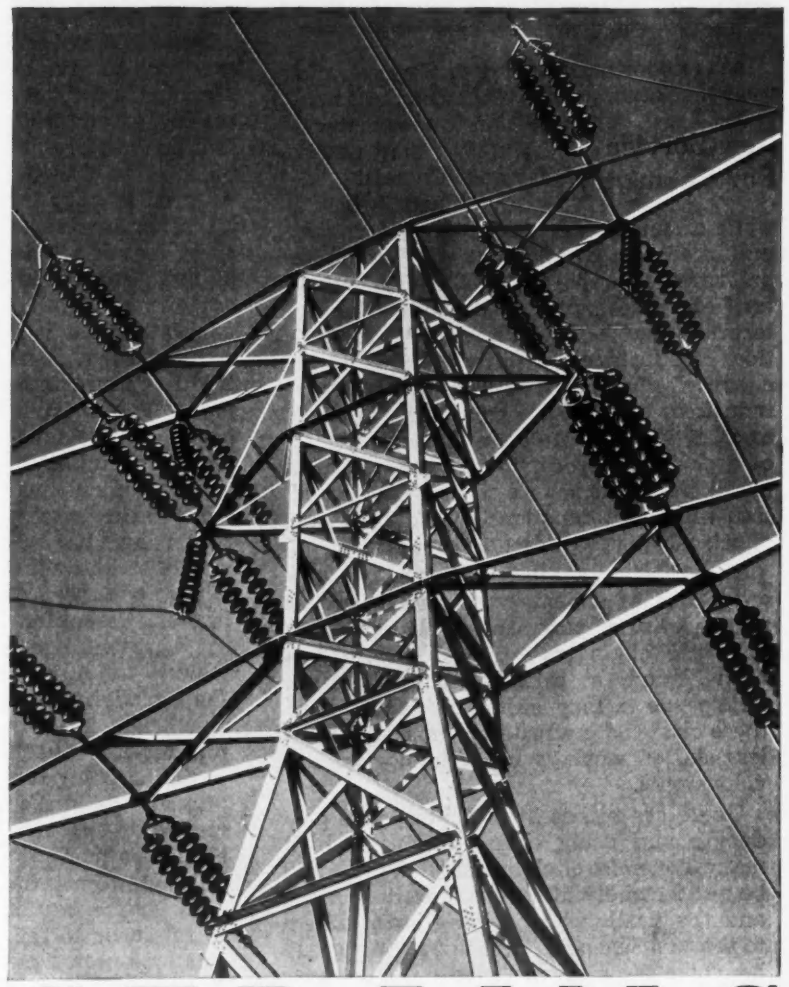
Zinc, acetate, USP., bbls., 250 lbs..lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenate, bgs., cs., c.l., dealers, E. of Rockies..lb. .13 - —
c.l., bgs., cs.....lb. .13½- —
Arsenite, bgs., cs., c.l., dealers, E. of Rockies..lb. .13 - —
W. of Rockies, bgs.....lb. .13 - —
l.c.l., bgs., cs.....lb. .13½- —
W. of Rockies, bgs.....lb. .13¾- —
Zinc arsenate and arsenite price are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck, allowance for plant or whse. pick-up.
Carbonate, tech., bbls.....lb. .14 - .15
USP, precip., powd., bbls..lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works.... 100 lbs. 5.00 - —
l.c.l., dms., works.100 lbs. 5.75 - —
Zinc, chloride, gran., U.S.P., dms., 200 lbs., solution, dms., works..lb. .04½- —
tanks, works.....lb. .0225- —
lb. .25 - —
jars, 25 lbs.....lb. .31 - —
Cyanide, kgs., works.....lb. .36 - .38
Dust., bbls., c.l., dlvd.....lb. .06¾- —
l.c.l., bbls., dlvd.....lb. .07¼- —
Fluoride, bbls.....lb. .20 - .25
Iodide, N.F., bots.....lb. 4.15 - —
jars .....lb. 4.00 - —
Metal (see daily quotations in Market report)
Oxide, pigment, dom., Amer., process, coml., lead-free, bgs., c.l., dlvd..lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07⅝
ex whse., Pac. cst., lb. .06½- .07⅝
bbls., c.l., dlvd.....lb. .06½- .07⅝
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst..lb. .06¾- .08
leaded, 5%, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.. except Pac. cst..lb. .06⅝- —
ex whse., Pac. cst.lb. .06¾- —
bbls., c.l., dlvd....lb. .06⅝- —
l.c.l,, dlvd., except Pac. cst..lb. .06¾- —
ex whse..Pac.cst.lb. .06¾- —
55%, bgs., c.l., dlvd.lb. .06 - —
l.c.l,, dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst.lb. .06¼- —
bbls., c.l., dlvd....lb. .06¼- —
l.c.l,, dlvd., except Pac, cts..lb. .06¼- —
ex whse., Pac. cst.lb. .06½- —
50%, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb, .06¼- —
Zinc oxide, pigment, dom., Amer. process, leaded, 50%, bgs., l.c.l., ex whse., Pac. cst..lb. .06¼- —
bbls., c.l., dlvd....lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst.lb, .06½- —
French process, coml., lead-free, bgs., c.l., dlvd., lb. .06¼- .07⅛
l.c.l., dlvd,, except Pac. cst..lb. .06½- .07⅛
ex whse., Pac. cst..lb. .06½- .07⅛
bbls., c.l., dlvd.....lb. .06½- .07⅛
l.c.l., dlvd., except Pac. cst..lb, .06⅝- .08
ex whse., Pac cst.lb. .06⅝- .08
green seal, bgs.,c.l.,dlvd., lb. .06 - —
l.c.l., dlvd., except Pac cst..lb. .08¼- —
ex whse., Pac. cst.lb. .08¼- —
bbls., c.l., dlvd.....lb. .08¼- —
l,c.l., dlvd., except Pac. cst..lb. .08½- —
ex whse., Pac. cst.lb. .08½- —
red seal, bgs., c.l,, dlvd., lb. .07¼- —
l.c.l., dlvd., except Pac. cst..lb. .07⅜- —
ex whse., Pac. cst.lb. .07⅜- —
bbls., c.l., dlvd.....lb. .07⅜- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst.lb. .08 - —
white seal, bgs., c.l., dlvd., lb. .08½- —
l.c.l,, dlvd., except Pac. cst..lb. .08⅝- —
ex whse., Pac. cst.lb. .08⅝- —
bbls., c.l., dlvd.....lb. .08⅝- —
l.c,l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst.lb. .09 - —

Wild Cherry—Zinc-Ammon.

Zinc oxide, import., gold seal, cks, ex whse..lb. .13 - .14
green seal, bbls., ex whse., lb. .10 - —
white seal, cks., ex whse., lb. .11 - .12½
Oxide, U.S.P., bbls., c.l.....lb. .09½- —
Palmitate, bbls.....lb. .23 - .26
Resinate, fused, pale, bbls...lb. .10 - —
precip., dms,, dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .20 - —
l.c.l., 1 ton.....lb. .21 - —
1,000-2,000 lbs.....lb. .22 - —
less than 1,000 lbs..lb. .23 - —
U.S.P., bbls. .....lb. .21 - .26
Sulphate, cryst., bgs., c.l.100 lbs. 3.15 - —
l.c.l. .....100 lbs. 3.90 - —
bbls., c.l.....100 lbs. 3.30 - —
l.c.l. .....100 lbs. 4.05 - —
flake, bgs., c.l.....100 lbs. 3.60 - —
l.c.l. .....100 lbs. 4.35 - —
bbls., c.l.....100 lbs. 3.75 - —
l.c.l. .....100 lbs. 4.50 - —
powd., bgs., c.l.....100 lbs. 5.00 - —
l.c.l. .....100 lbs. 5.75 - —
bbls., c.l.....100 lbs. 5.15 - —
l.c.l. .....lbs. 5.90 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .09 - —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .09¼- —
bbls., c.l. (20 tons), dlvd..lb. .09¼- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .09½- —
Sulphocarbolate, NF, bbls...lb. .24 - .26
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —

—Continued on page 63

STRESSES



STRAINS

In paint films, too

THERE are many changes which take place in the paint film during the weathering process. Chief among these are the stresses and strains created by the slow disintegration of the vehicle. These internal forces literally pull the film apart.

The particle structure of Cryptone MS-130, the Zinc Sulphide-Magnesium Pigment, is designed to relieve these stresses and strains. In applying this feature of Cryptone MS-130 to their outside house paints and primers, manufacturers have been able to improve film distensibility, producing plasticization without attendant softness.

Cryptone MS-130 is primarily a durability pigment but, like all zinc pigments, it possesses outstanding tint holding properties. Advantage can also be taken of its unusually high hiding and bulking.

Use the coupon for a free sample.

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The New Jersey Zinc Company

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Send me a sample of Cryptone MS-130.
(For Paint Manufacturers only)

Name.....

Address.....

.....

CRYPTONE MS-130

ZINC SULPHIDE-MAGNESIUM PIGMENT

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison

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New Service For Chemistry

In its major undertaking to diagnose and treat the relationships of the chemical profession to the chemical industry the newly formed Chemist Advisory Council has a work of undeniable necessity and almost unlimited possibility for good. It must be presumed that the term, "chemical industry," embraces, not only the industrial enterprises that have to do with the production of substances readily classifiable as chemicals, but also the various important industries in what are popularly regarded as other lines, whose operations are highly of a chemical processing nature. In this broad field, chemists can be better fitted into roles and functions where they can effectively serve the general welfare.

The Chemist Advisory Council is the outgrowth of endeavors to deal with the matter of unemployment of chemists and chemical engineers. That problem has been found a difficult one; because, strange as it may seem, trained men of these classes are affected comparably with less skilled workers by technological developments.

There are niches in the enterprises producing and using chemicals, into which many a chemist or chemical engineer could be quite facilely fitted if the existing niche and the available man were both known to the same agency. And this fitting would be good for all concerned. Many more such fittings could be made with relatively little preparatory attention to and by the man. With its commendable blending of industrial and educational chemistry in its directing personnel the advisory council is well equipped with knowledge and ability and facilities to effect a closer and a better amalgamation of chemists and industrial chemistry.

Cooperation of chemical educators in the purpose of the advisory council is highly desirable. It is to be hoped that in furtherance of this will be developed broadly the idea of the educational plan of reshaping and minutely refinishing graduates in order to fit them to the extent of human perfection into appropriate industrial needs.

Chemical industry, in its broadest sense, also should cooperate fully with the advisory council; for progress, even that which is mechanical, depends wholly on men.

Handicap to Labor Policy

Labor relations are not determined by natural laws. Being a part of man-made operations, they must be devised and applied by men. It is in large part because they have not been given the attention that this obligation imposes that they have become the most serious problem of business. Many argue that this problem arises from misfeasance on the part of employers. While some things have been wrongly and even wrongfully done in this respect, the greater reason for the trouble is to be found in nonfeasance—the things that should have been done have not been done at all.

Because the determination of labor relations, in addition to being taken largely out of the hands of employers, has been adopted as a governmental function, there is a question today whether an employer has any right to undertake the formulation and application of a labor policy. Having let the matter in part get out of his hands and having been forced by opportunists to let go most of the remainder, it is natural that he should face a difficulty in regaining control of a function that is rightfully his.

There is a Federal law that requires the employer to give heed to suggestions and demands in respect of his relations with his employees, and it is rather widely accepted that this law prohibits his endeavoring voluntarily to find out what his employees want or to help them to get it. The law is so characteristically of statutory phraseology that this belief cannot safely be combatted. But, because such a prohibition is contrary to rights set up by constitutional guaranties and is in violent conflict with common sense, it may be that the assumption has more foundation in fear than in fact. The matter has been before the courts on several occasions, but never strictly on its basic merits.

It is difficult to believe that, under a democratic form of government, an employer dare not tell his employees that he wishes to know their grievances and their desires with respect to their relations with him and to confer with them collectively, by representation, or individually with a view to the adjustment of differences and the remedying of what may be objectionable. But, many employers read such a proscription into the labor act, their interpretation being somewhat justified by certain rulings of the labor board. The matter is so serious that a vigorous effort should be made to ascertain how substantial is its foundation.

Of course any attempt by an employer to retain or to regain control of his labor relations policy must take into consideration all the conditions that have contributed to the lessening of his authority. It must also recognize that the principle of collective bargaining has been established beyond question and that this may introduce a new and unfamiliar factor, but not necessarily a detrimental one. The one handicap to be surmounted is the apparent absence of a legal means whereby an employer can initiate a quest for knowledge of what his employees want.

—O-P-D—

Olive Branch From Labor

The president of the older group in organized labor has made, in a public address, an advance toward mutual understanding with management and ownership that may be regarded as highly promising of productive cooperation for the development of more certain and more satisfactory relations between employers and employees. The labor leader's declaration of a common cause with capital against governmental control of these relations is welcomed. His recognition of the necessity of the profit system is pleasing. His appreciation of the obligations of a contract is encouraging.

This advance on the part of the labor leader has been received with much verbal appreciation by leaders of management, and it has not lacked praise from the ranks of ownership. It deserves more tangible recognition, not only for its promise of a solution of so-called "labor problems," but also and more so because of its significance in a politico-economical way. Management and ownership, not only should welcome the other element of the essential trinity of business in its manifestation of understanding and its proffer of cooperation for the common welfare, but they should also step forward at least an equal space on the path which too long has not been trod.

The next step then would be to work for the correction of the inequalities of the Federal labor act, in order that the three elements of business may be enabled to meet on a common level, each without advantage. Many things must be forgotten by management and ownership, as many seem to have been forgotten by the leader of labor. And it must be recognized that, for the fulfillment of the promise of his advance, that leader must be backed by the other two elements of business sincerely and vigorously; it must not be assumed that he has spoken for organized labor as a whole or even for the entire membership of his group.

Men must recognize fear when they see its influences; but they must not mistake its nature. The labor leader who has spoken has fears, but these are not of management nor of ownership. His acceptance of capital's right to a profit is significant of a fear that the wise men of labor know, fear of submerged agitation for the overthrowing of the capitalistic system. This is now but a small thing—so is the worm that bores holes in the hull of a ship.

The capitalistic system, the business of today, must look to the welfare of its three elements of ownership, management, and wage-earners. None of these can be injured without detriment to all. The olive branch that organized labor has proffered must not only be accepted, but the presence of one or more withered leaves must be unnoticed, and the symbol of peace must be jointly carried to security.

—O-P-D—

New Kind of Waterworks

Water has been serving man internally, externally, and in his various devisings and undertakings since the first of his ancestors, doubtless by accident, learned of its usefulness. The application of water for purposes of power and as a complement of or substitute for rainfall as an agricultural aid has been of many forms. Nevertheless the Congress of the United States has come upon a new combination use.

There is a bill on Congress to establish a governmental enterprise that would harness water to get power to make nitrogenous fertilizer and then turn it loose to carry the fertilizer and apply it directly to needful soil. The idea has been patented —strange things reach that stage of development—but the inevitable man with a bucket on the bank of the irrigation ditch would spell minus for its profitability.

PFIZER
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Until the year 1923 America, like the rest of the world, obtained raw materials for Citric Acid manufacture almost exclusively from one foreign source. Previous to that time, however, the Pfizer Research Staff had devoted years of labor to the developement of a process for the production of Citric Acid by fermentation, and in the year 1923 Pfizer erected the world's first factory which commercially produced Citric Acid by fermentation.

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ESTABLISHED 1849

Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Five-hundred-eighty-first Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Cetyl Isothiocyanate

Disinfectant

Parasiticide (U.S. 1993040)

Dimethyloleylamine Oxide

Chemical

Starting point (Brit. 460710) in making—
- Cleansing, disinfecting, and wetting agents by reacting with alkylene oxides
- Emulsifying agents for soaps, glue, gelatin, gums, and mucilages
- Textile stripping agents for vat dyestuffs by reacting with alkylene oxides and admixing with hydrosulphites

2:3-Hydroxynaphthoic-4′-chlor-2′-methoxy-anilide

Textile

Starting point (Brit. 453953) in making—
- Dyed or printed red colors of fine purity of shade and fastness to kier-boiling with—
  - 2-Amino-4-acetyl-1:1′-diphenyl ether or its 4′-chloro derivative
  - 2-Amino-4-acetyl-3′-methyl-1:1′-diphenyl ether or its 4′-chloro derivative
  - 2-Amino-4-acetyl-4′-methyl-1:1′-diphenyl ether or its 4′-chloro derivative

Lauryl Tellurocyanate

Disinfectant

Parasiticide (U.S. 1993040)

Nitroxylethylenechlorhydrin

Fuel

Primer (Brit. 461320) for—
- Diesel fuels

Octyl Isoselenocyanate

Disinfectant

Paraciticide (U.S. 1993040)

Sodium Hydroxide

(Aetznatron, Caustic Soda, Caustique de Soude, Hidrato Sodico, Hidrato de Sodico, Hydrate of Soda, Hydrated Oxide of Sodium, Mineral Alkali, Natrium Causticum, Natrium Hydricum, Natriumhydroxyd, Natriumhydroxydatum, Natriumoxydhydrat, Natron, Natronhydrat, Soda Caustica, Soda Lye, Sodic Hydrate, Sodii Hydroxidum, Sodium Hydrate, Soude Caustique)

Abrasives

Process material in making—
- Abrasives

Adhesives

Converting agent in making—
- Starch glues

Ingredient of—
- Adhesives
- Casein cement
- Starch adhesives

Agriculture

Ingredient of—
- Cattle dips
- Sheep dips
- Cattle feeds

Analysis

Alkali in—
- Analytical process involving control research

Automotive

Process material in making—
- Clutch facing

Brewing

Ingredient of—
- Bottle-washing compositions
- Cleansing compositions

Settling agent for—
- Yeast

Building Material

Process material in making—
- Heat insulation
- Plaster-board
- Portland cement
- Sound insulations
- Wallboard

Cellulose Products

Fermenting agent for—
- Cellulose sulphite liquor

Process material in making—
- Cellulose
- Cellulose esters, ethers, and other derivatives such as rayon, viscose

Chemical

Absorbent for—
- Acids
- Carbon dioxide
- Chlorine
- Cyanogen
- Hydrogen sulphide
- Nitrogen oxides
- Phenols

Activating agent for—
- Charcoal

Catalyst in making—
- Aldol
- Ammonia
- Cyanogen
- Esters
- Sodamide

Dehydrating agent for—
- Air
- Alcohol
- Butyl ether
- Diethyl ketone
- Ethyl ether
- Ethylmethyl ketone
- Ethylpropyl ether
- Ketones
- Methylethyl ketone
- Organic solutions
- Propyl alcohols
- Propyl ether
- Pyridin

Deodorizing agent for—
- Isopropyl alcohol

Neutralizing agent for—
- Acids, in various reactions and processes of chemical manufacturing

Process material in—
- Regenerating catalysts

Process material in making—
- Arsenobenzene derivatives
- Absorbent carbons
- Acetates (from carbohydrates)
- 2-Acetylamino-1-naphthyl-thioglycolic acid
- Aldehydes
- Aldehyde emulsions
- Alginic acid
- Aldol
- Aluminates
- Alkali-earth linoleates
- Allyl chloride
- Allyl para-aminobenzoate
- Allylthiobromine
- Aluminum compounds
- 4-Amino-2-auromercaptobenzoic acid
- 2-Amino-1-hydroxybenzene-4-sulphonamide
- 2-Amino-1-naphthylthioglycolic acid
- N-(4′-Amino-1-naphthyl)-N-toluenesulphonamide
- Aminonaphtholsulphonic acids
- Amino(paratolylsulphonamide)naphthalene-sulphonic acids
- Aminophenolsulphonic acids
- Ammonia
- Amyl acetate
- Amyl formate
- Amyl oleate
- Amyldextrin
- Anthranilic acid
- Anthraisoquinolin
- Antimony sulphides
- Arsanilic acid
- Arsenic and its compounds and derivatives
- Barium compounds
- Beechwood creosote
- Beeswax acids
- Benzaldehyde
- Benzene derivatives
- Benzenedisulphonamides
- Benzenedisulphonic acids
- Benzoates
- Benzoic acid
- Benzophenone-arsenious acid
- 4-Benzoyl-1-hydroxy-2-naphthoic acid
- Benzyl alcohol
- Benzyl oleate
- Benzyldextrin
- Benzyl-sodium phthalate
- Benzyl-sodium succinate
- Bis-(3-carboxy-4-hydroxy-1-naphthyl) ketone
- Bismuth compounds
- Bismuth oxide catalysts
- Bismuth-mercury compounds
- Borax

Process material in making—
- Borneol
- Bromoethylene
- Bromine
- Bromine organic compounds and their emulsions
- Butyl acetate
- Butyldextrin
- Butyric acid
- Carbazole sodium salt
- Calcium compounds
- Carbon dioxide absorbent
- Catalysts of various kinds
- Cerium oxide
- Chlorinated organic compounds
- Cresol
- Cresyl phosphates
- Cyanides
- Decolorizing agents
- Dialkylaminoalkyl compounds
- Diaminodihydroxyarsenobenzene alkali salts
- Diaminodihydroxyarsenobenzene silver salts
- Diaminodihydroxydibenzenedisulphonamides
- Dibutyl dixanthate
- Dichlorpentane
- Diglycerol
- Dimetatolylparatolyl phosphate
- Dimethyldi-isopropylbenzidin
- Dimethyl ether
- Dinitrophenol
- Diphenic acid
- Diphenyl ether
- Diphenylguanidin
- Emulsions of aliphatic hydrocarbons
- Emulsions of aromatic hydrocarbons
- Emulsions of cyclic hydrocarbons
- Emulsions of nitro compounds
- Emulsions of pyridin compounds
- Emulsions of quinolin compounds
- Ethane
- Ethylamine
- Ethylbenzene emulsions
- Ethyl chloride emulsions
- Ethyl 4-hydroxy-1-naphthoate
- Ethyl oleate
- Ethyldextrin
- Ethylene
- Ethylene oxide
- Ethyleneglycol
- Ethylhydrocuprein and derivatives
- Ethylmethyl ether
- 5-Ethyl-5-phenylhydantoin
- Ethylstarch
- Formaldehyde
- Formic acid
- Glutamic acid
- Glyceryl oleate
- Glycol
- Glyoxylates
- Glyoxylic acid
- Guaiacol
- Hexamethylenetetramine
- Hydrocinnamic acid
- Hydrocuprein derivatives
- Hydrocyanic acid
- Hydrogen
- Hydrogenation catalysts
- Hydroquinone
- 4-Hydroxymeta-arsanilic acid
- 4-Hydroxynaphthalene-1:3-dicarboxylic acid
- 3-Hydroxy-2-naphthoic acid
- 4-Hydroxy-1-naphthylphenyl ketone
- 4-Hydroxy-3-nitrobenzenearsonic acid
- Inulin
- Iodine compounds
- Ionine emulsions
- Iron compounds
- Isoborneol
- Isobutyl oleate
- Isopropylallylbarbituric acid
- Isopropylstarch
- Ketones
- Lactic acid
- Lead compounds
- Litharge
- Lysalbinic acid
- Magnesium compounds
- Maltose
- Manganates
- Mannose
- Mercury compounds
- Meta-aminobenzaldehyde
- Metahydroxybenzaldehyde
- Metahydroxybenzoic acid
- Metallic hydroxides
- Metatitanic acid
- Methane
- Methanol
- Methylamines
- Methyldextrin

Process material in making—
- Methyl 4-hydroxynaphthalene-1:3-dicarboxylate
- Methyl 4-hydroxy-1-naphthoate
- Methyl oleate
- 2-Methylphloroglucinol
- Methylstarch
- Naphthalene
- Naphthalene derivatives
- Naphthalenesulphonic acids
- Naphthotic acid
- Naphthoisoquinolin
- Naphthols
- Naphtholsulphonic acids
- 1:2-Naphthothioindoxyl
- Naphthylenediamine derivatives
- N-(1′-Naphthyl)paratoluenesulphonamide
- Natural gas chlorination products
- Nickel catalysts
- Nickel hydroxide
- Nickel sulphide
- Nitrobenzene
- Nitrobenzene emulsions
- Nitrogen
- Nitrosamine
- 4-Nitro-2-thiocyanobenzoic acid
- Nitroxylene
- Olefinglycol
- Orthoaminophenol-4-sulphon-(4′-amino)anilide
- Orthoaminophenol-4-sulphonanilide
- Orthobenzyloxybenzoic acid
- Oxalic acid
- Oxanthanol
- Oxygen
- Oxymercury nitrophenolates
- Palmitic acid
- Para-acetylaminophenylstibnic acid
- Parahydroxybenzoic acid
- Parahydroxyphenylstibnic acid and salts
- Phenol
- Phenols
- Phenolphthalein
- Phenylphosphates
- Phenylstibnic acid
- Phenylstibnic oxychloride
- Phosphoric acid
- Phosphoric acid esters
- Phthalic acid
- Phthalic anhydride
- Picric acid
- Polyglycerols
- Potassium compounds
- Propionic acid
- Propyl oleate
- Propyldextrin
- Propylene
- Prolyleneglycol
- Propylstarch
- Protalbinic acid compounds
- Pyridin
- Quinine derivatives
- Radium and its compounds
- Resorcinol
- Salicylic acid
- Silicic acid
- Silicon compounds
- Sodium compounds
- Starch ethers
- Starch xanthogenate
- Stearic acid
- Succinic acid
- Synthetic aromatic chemicals
- Tartaric acid
- Tartrates
- Terpinol emulsions
- Tetraglycerol
- Thorium and compounds
- Titanium and compounds
- Toluene and derivatives
- Toluene emulsions
- Trichloroethylene
- Triethyltrimethylenetriamine
- Triglycerol
- Tritolylguanidin
- Uranium and its compounds
- Valeric acid
- Vanadium catalysts
- Vanadium compounds
- Vanillalacetone
- Vanillylamine
- Xylene
- Xylene emulsions
- Zinc salts
- Zirconium salts

(To be continued)

Stearyl Isoselenocyanate

Disinfectant

Parasiticide (U.S. 1993040)

Heavy Chemicals

Lead Arsenate Reduced—Alkalies Continue Firm—Tin Derivatives Higher—Monohydrated Blue Vitriol Lower—Chloride of Copper Off—Sulphuric Acid Spotty

A slight improvement in demand for industrial chemicals was reported for the week just ended. Reports from basic industries such as steel, automotive and textile were more encouraging, although the improvement in operations was slight. A cautious policy continues to prevail among most manufacturing consumers, and the hesitancy could be attributed to the uncertainty of legislation and news emanating from official Washington. Changes in the market included a fractional reduction for copper carbonate, chloride monohydrated blue vitriol, and lead arsenate. Higher quotations were noted for tin crystals, anhydrous tetrachloride of tin, and soda stannate.

Steel operations and automotive output were higher than the preceding week. Reports from the textile industry were to the effect that several mills closed down would soon reopen. Tin derivatives were stronger last week as the result of higher quotations for the basic metal. Lower prices for copper chloride, carbonate and monohydrated, blue vitriol reflect the lower price established for the basic metal recently.

Calcium chloride noted a normal seasonal let-up as the result of the warmer weather, which was reflected in the replacement business. Alkalies continued firm, with buying irregular as the result of the mixed trend of operations in several consuming industries. Copperas and fluorspar continued to mark time, with steel operations at 31 percent of capacity, compared to 30.7 percent in the preceding week.

Chromic acid, nickel salts, and soda cyanide noted a slightly better demand from the plating trade, with automobile operations estimated last week at 57,810 units, compared with 51,443 units in the previous week. Business in saltcake was irregular. Sulphuric acid continued firm, although the call was spotty. Lead arsenate was fractionally reduced.

Alums.— A firm tone continued to prevail in the market for the various alums. Business for the ammonia and potash alums was moderate last week, while the demand for the iron-free was irregular. No change was uncovered in quotations from the preceding period.

Ammonia, Anhydrous.—Demand was quiet in this direction last week, although actual commitments are restricted by seasonal conditions. Sellers reported a firm tone prevailed.

Ammonia, Aqua.—Usual consumers were making withdrawals in fair amounts last week for immediate requirements only. Sellers reported a steady to firm tone governed the dealings at prices previously in force.

Ammoniac Sal.—The prices for the gray and white material were steady to firm at previous levels. The battery trade and other usual consumers were making fair commitments. December imports amounted to 296,059 pounds, valued at $7,236, of which 112,000 pounds came from Canada; 105,778 pounds from Germany; 55,115 pounds from Poland and Danzig, and 22,046 pounds from Belgium.

Antimony.—Prices for the domestic antimony metal remained unchanged again at 11¾c. per pound. Business continued quiet.

Antimony Oxide.—Quiet continued to characterize dealings again last week. Despite the dull nature of the business, sellers were adhering to quotations previously in force.

Arsenic.—The call for the white and red arsenic continued quiet throughout the week under review. A firm tone ruled and quotations were in conformity with those prevailing in the preceding week. Much of the ore worked for gold in Southern Rhodesia contains arsenic. It was formerly profitable to recover the arsenic at a few mines, but in recent years the demand for white arsenic in the Union of South Africa has decreased. Because of claims on the part of stock raisers of poisoning by arsenic leached from old mine dumps, a commission has been established to determine what action should be taken by the government with respect to arsenic production in Rhodesia, according to the office of the American trade commissioner at Johannesburg.

Barium Salts.—Demand for the various barium salts was highly irregular during the week just ended. Sellers anticipate a better demand with the advent of the Spring season. Quotations were steady to firm at previous levels.

Bleaching Powder.—A fair demand continued to prevail again last week. The call from disinfectant manufacturers was expected to be stimulated from the preceding week.

Blue Vitriol.—Although seasonal conditions still play a major part in restricting demand, sellers were looking forward to larger withdrawals in the near future. Prices for blue vitriol remain unaltered; quotations for the monohydrated were reduced 35c. per 100 pounds at $8.65 to $8.80 per 100 pounds for carloads and $9,65 to $9.90 per 100 pounds for the less car lot quantities.

Calcium Carbide. — A firm tone predominated the dealings during the week just closed. Usual consumers were ordering out supplies for immediate requirements only. December exports amounted to 183,237 pounds, valued at $4,548, of which 107,250 pounds went to Mexico; 22,000 pounds to the Netherlands West Indies, and 21,436 pounds to Venezuela.

Calcium Chloride. — A seasonal letdown was reported for this material, with many consumers having sufficient supplies for nearby requirements. Reports of warmer weather in some sections had a tendency to retard replacement demand for ice control work. The market was firm, and quotations unaltered from the preceding week.

Chlorine. — A fair demand was experienced in this market again last week. Prices were steady to firm at previous levels. A large Finnish company, recently founded, expects that its factory at Aetsa, Southwestern Finland, will start production of chlorine by the end of 1938. The plant's entire output of chlorine is intended solely for Finland, and will be mainly used by the paper and pulp industry.

Cobalt Oxide. — The usual channels of consumption were ordering out supplies to take care of immediate requirements only. Prices ruled steady to firm at levels previously in force. December imports amounted to 67,200 pounds, valued at $91,103, of which 32,900 pounds came from Belgium; 24,500 pounds from Finland, and 9,800 pounds from France.

Copper. — Domestic consumer interest continued dull. Price is unchanged at 10c. per pound, delivered Connecticut Valley base. A more buoyant tone was evident in the foreign market. Prices ranged from 9.75c. per pound to 9.80c. per pound. Domestic stocks of refined copper increased 39,782 tons during January, according to the Cop-

Price Changes

Prices were changed during the past week as follows:—

Advanced

Tin crystals, ½c. per lb.
tetrachloride, anhydrous of tin, ¼c. per lb.
Soda stannate, ½c. per lb.

Reduced

Blue vitriol, monohydrated, 35c.per 100 lbs.
Copper carbonate, ½c. per lb.
chloride, ½c. per lb.
Lead arsenate, ½c. per lb.

Comparative Values

Index numbers compiled from twelve typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
153.6	154.2	154.5	154.0

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.6	99.6	99.6	99.4

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

BARIUM SULPHIDE
BARIUM REDUCTION CORPORATION SOUTH CHARLESTON, W. VA.

TURNER
LIQUID CAUSTIC SODA
TANK TRUCKS—DRUMS
Local delivery tank truck service throughout the Metropolitan New York area.
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SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
PIONEER WASHING SODA
CHURCH & DWIGHT CO.
70 PINE STREET Phone Digby 4-2181 NEW YORK CITY

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Telephone Sherwood 2-3080-1-2
Sole Selling Agents for
GRAY CHEMICAL CO., Roulette, Pa.

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. . . . constantly dependable for half a century
BORIC ACID : CARBON TETRACHLORIDE : BORAX : TITANIUM TETRACHLORIDE : CAUSTIC SODA : SULPHUR CHLORIDE SULPHUR : SILICON TETRACHLORIDE : CREAM OF TARTAR SULPHURIC ACID : CARBON BISULPHIDE : TARTARIC ACID
STAUFFER CHEMICAL COMPANY
624 California St. San Francisco, Cal. • 2710 Graybar Bldg. New York, N. Y. • Freeport Texas
Carbide and Carbon Bldg. Chicago, Ill. Rives-Strong Bldg. Los Angeles, Cal.
Stauffer

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Soda Ash
Caustic Soda
Modified Sodas
Special Alkalies
Nitrite of Soda
Liquid Chlorine
Calcium Chloride
Caustic Potash
Liquid—Flake—Ground—Solid—Lump
Ammonium Chloride
Para-dichlorobenzene
Ortho-dichlorobenzene
Ammonium Bicarbonate
Potassium Carbonate
Liquid—Granular Hydrated—Dustless Calcined
47% 83-85% 98-100%

SOLVAY SALES CORPORATION
Alkalies and Chemical Products Manufactured by The Solvay Process Company
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Chicago	Indianapolis	New York	St. Louis
Cincinnati			Syracuse

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60° 66° 98%

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Prompt Shipments

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Toledo, Ohio

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(SODIUM METASILICATE-ANHYDROUS)

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NEARLY TWICE AS MUCH SERVICE AT
NO EXTRA OVERHEAD
AVAILABLE NOW AT MONEY-SAVING PRICES
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Phosphorus and phosphorus products. Sodium chlorate. Potassium perchlorate. Oxalic acid.

per Institute. Total in refineries or in other positions as of January 31 was placed at 299,933 tons. While refined stocks of copper increased last month, blister copper stocks decreased 11,680 tons. Foreign stocks of refined copper, in contrast with American stocks, decreased during January. The shrinkage was 5,000 tons, reducing the total to 206,836 tons as of January 31. World stocks of refined copper at the end of January totaled 505,969 tons, an increase of 34,219 tons.

Copper Salts.—Business for the various copper derivatives continued highly irregular. The call for the black and red copper oxides was quiet, while dullness was also noted in the demand for the cyanide. Prices for copper carbonate and chloride were reduced ½c. per pound.

Copperas.—A firm tone was reported in this direction during the week just ended. Steel operations were slightly improved last week at 31 percent of capacity, compared with 30.7 percent a week ago. Demand continued quiet.

Fluorspar.—Withdrawals continued to be somewhat restricted by the continued low steel operations last week, which were estimated at 31 percent of capacity. Sellers reported prices were holding steady at previous levels.

Magnesium Silicofluoride.—A fair interest was evidenced in this market throughout the week just ended. Sellers reported that a firm tone ruled, and prices were retained at previous levels.

Lead Acetate. — This market continued along routine lines, with usual consumers confining requirements to immediate needs only. Prices ruled firm at levels previously in force.

Nickel Salts.—Demand from the plating trade continued quiet. No change was uncovered in quotations, and a firm tone predominated. Automobile output last week was higher at 57,810 units, compared with 51,443 units in the preceding week.

Potash Carbonate. — A fair interest was shown in this market at times last week, with the textile industry and other usual consumers supplying the interest. Prices were well maintained.

Potash, Caustic.—A firm tone characterized the dealings in this market again last week. The soap industry and other consumers were ordering out supplies at a fair pace, and the price tone remained firm.

Potash Chlorate. — A moderate call was uncovered from the match makers, sellers reported that a firm tone governed the dealings. Prices were in conformity with those prevailing in the previous week.

Potash Cyanide.—The call from the plating industry and other consumers was fair at times during the week just ended. Prices were unaltered, and a firm tone ruled.

Potash Permanganate.—A good business was experienced in this market last week. Orders were sufficient to absorb the stocks of material on hand. Prices were firm, and unchanged.

Saltcake. — Shipments were moving against contracts at an irregular pace for the account of the glass and paper industry. Reports are to the effect that a good interest was shown by the paper trade, while the glass industry continued to operate at low levels. Prices were firm and unaltered.

Soda Ash.—A firm tone was experienced in this market again during the week under review. The call from usual consumers was for immediate requirements only. Sellers are looking forward to a better demand later in the year. Prices were unaltered. Imports into Argentine during 1937 amounted to 23,397 metric tons, of which 19,491 tons came from The United Kingdom; 2,668 tons from the United States; 1,036 tons from Japan, and 202 tons from other countries.

Soda, Caustic.—Sellers reported the market noted a steady to firm tone, although the buying was irregular, the irregularity in the call could be traced to the mixed trend of operations in various consuming industries.

Soda Chlorate. — This market was pretty much of a routine affair, with usual consumers supplying the call for immediate requirements only. A firm tone continued to prevail, and prices were well maintained.

Soda Cyanide.—Platers continue to hold commitments to meet urgent requirements only. Despite the dull character of the call, sellers reported a steady to firm tone was displayed.

Soda Fluoride.—Foodstuffs industry continued to supply a good interest in the market last week. Prices were in conformity with those prevailing in the preceding week.

Soda Hydrosulphite.—A firm tone was experienced in this direction throughout the week under review. The textile industry and other routine consumers were confining commitments to meet their production schedules.

Soda Silicofluoride.—Sellers continue to adhere to the quotations in force previously. Demand was irregular at times, but a firm tone governed the trading.

Soda Sulphide.—Usual consumers furnished the call here, with a conservative buying policy in effect and prices were unaltered.

Tin Salts.—Prices for tin derivatives were fractionally higher last week, reflecting the stronger tone for Straits tin. Tin crystals were at 34c. to 34½c. per pound; anhydrous tetrachloride of tin, 21c. per pound, and soda stannate, 28½c. per pound.

Tungsten Metal, Powder. — During August and September, 1937, the demand for tungsten was great, and the South China monopoly stopped selling to increase prices, according to Bureau of Mines. In September prices jumped considerably to a level not even reached during the World War. There was considerable activity, but early in October buyers began to withdraw from the market. A mild panic ensued among both large and small holders, and prices dropped. It will probably take some time before the market finds its true level in accordance with supply and demand, and it would be difficult to estimate at what level prices may again become more stable. However, it is believed that buyers will have to re-enter the market again, since the demand for tungsten is undiminished and likely to continue so. Their withdrawal from the market at present is believed to be only temporary. Production in China has not increased to any great extent, and if prices decline further it is considered likely that countries producing on a marginal basis will no longer find it profitable to continue. The Chinese government has announced that beginning December 1, producers will be paid at the rate of $120, Chinese currency, per picul, whereas formerly prices had been as low as $54.

Acids

Demand for mineral acids continued spotty throughout the week just ended. The mixed trend of operations in various consuming industries was the cause for the irregular demand. It is apparent that most consumers are content to make withdrawals for nearby production requirements only. Prices were unaltered, and a firm tone prevailed. Sulphuric acid was firm, but demand continued to be influenced by the low operations in the steel and automotive industries, although slightly better production levels were reported last week. Chromic acid was quiet as the result of a lull in demand from the plating trade. Acetic was irregular. Oxalic acid enjoyed a fair demand, and a firm tone ruled. Battery and nitric acids were steady to firm.

Acetic.—There was a fairly good interest shown at intervals during the week just ended, but it was obvious that consumers were covering for immediate needs only. Prices were unaltered.

Battery.—Nothing of importance developed in this market last week. Sellers were adhering to prices previously in force, and a firm tone continued to prevail.

Chromic.—Demand from the plating industry continued quiet, but sellers are expecting more activity in this direction when the Spring season stimulates buying from the automotive industry. Prices ruled firm.

Lactic.—This market noted an irregular call, with the call from the textile and tanning industries somewhat restricted by lower operating schedules. No change was disclosed in the quotations.

Muriatic. — This market remained pretty much the same as the preceding period, with usual consumers confining withdrawals to immediate requirements only. Prices were unaltered.

Nitric. — Shipments continued to move out in moderate volume last week. Sellers were adhering to quotations previously in force.

Oxalic. — A fair demand was dis-

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

DIAMOND ALKALIES

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FORMIC ACID
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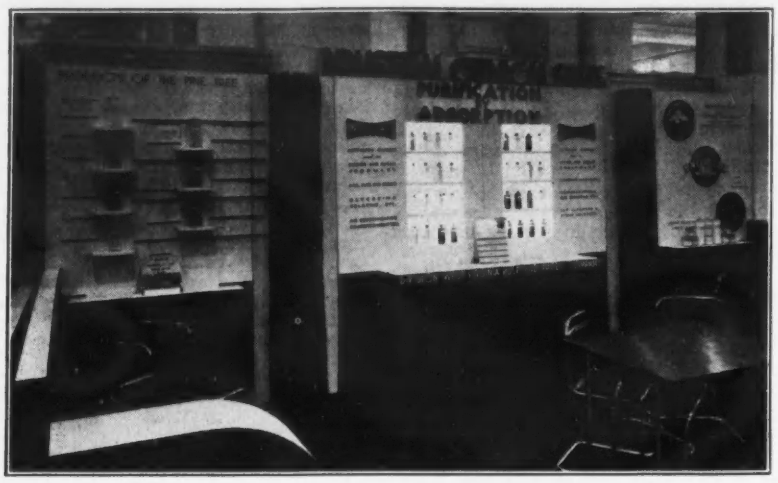

Industrial Chemical Sales Division of West Virginia Pulp & Paper Company Exhibit at 1937 Chemical Exposition

played in the market during the week just ended. Sellers continued to quote the prices of the preceding period.

Sulphuric. — A firm tone continued the feature of the market last week. Despite the fact that the mixed trend of operations for various consumers had a tendency to limit withdrawals, the quotations were well maintained at previous levels. Steel operations last week were slightly improved at 31 percent of capacity, compared with 30.7 percent in the preceding week. Automobile output was also better, with production estimated at 57,180 units, against 51,443 units in the previous week.

Baltimore, Feb. 16.—With buying interest for sulphuric acid satisfied to a great extent by the placing of orders for the estimated requirements of big consumers for the greater part or all of the current year, there is little chance for any such volume of business as might immediately influence the market especially in the direction of advances. These contracts were mostly placed in December and since then only incidental needs have been getting consideration. As for the sellers, they figure that it will cost them more to make acid, and as a consequence they are not inclined to mark down their figures on the chance that this may stimulate the inquiry. Under the existing circumstances such an effect of making concessions is hardly to be looked for, and in consequence the acid makers adhere to their list, which is determined by estimates of cost with labor and with materials higher. The old quotations of $12 per ton for 60 degree and of $15 per ton for 66 degree stocks are being adhered to, and the market is allowed to drift along well nigh featureless.

Insecticides

Demand in the market for agricultural insecticides and fungicides continued quiet. Activity at this time of the year is usually dull, and the advent of Spring and warmer weather should stimulate demand for these products. Changes in the market included a fractional reducton in lead arsenate. Other quotations were unaltered. Under the provisions of a bill (S.5947-2) introduced in the New York legislature by Senator George F. Rogers and referred to the agriculture committee, old article eleven of the agriculture and markets law is repealed and a new article eleven is added, providing for license under supervision of the agricultural commissioner of agricultural poisons used as insecticides and fungicides.

Calcium Arsenate. — Demand remained dull throughout the week, reflecting seasonal influences. No change was uncovered in the quotations from the preceding week.

Lead Arsenate.—Prices were reduced ½c. per pound at 12½c. per pound for the car lot quantities; less car lot was 13c. per pound. Business last week was negligible, but demand should be stimulated later in the year.

Nicotine Sulphate. — Developments of importance were lacking again last week. The call was slow, but prices were maintained at previous levels.

Paradichlorobenzene. — Withdrawals against contracts are expected to be larger in the near future. Prices were unaltered.

Oliver United Filters Observes Thirtieth Anniversary

Oliver United Filters, Inc., manufacturer of filters, observed its thirty years in the filtration business with a supperdance January 10 at the Hotel Leamington, Oakland, Calif. Most of the company's 400 employees were present to give special recognition to the 109 who have been with the company ten or more years. Representatives from the New York, Chicago and San Francisco sales offices, as well as from the Hazleton, Pa., and Oakland, Calif., factories were present. Addresses were made by E. L. Oliver, president and general manager, and E. J. Sweetland, chairman of the board of directors, as well as by other executives of the company.

First Machinery Corp. Sponsors Lecture Series

The First Machinery Corporation is sponsoring a series of lectures on plant equipments and its uses. The lectures are held on alternate Monday evenings in the main building of the corporation at 419 Lafayette street, this city. There is no charge for admission. Subjects already discussed were concerned with pumps, vacuum pans, evaporators and condensers and filtration. F. Howard Mason is in charge of the technical staff of the First company. Many subjects of interest to the chemical, process and food industries are scheduled for discussion.

Harry N. Jones has been appointed factory representative for the Alabastine Company, paint manufacturer, for North and South Carolina, with headquarters in Winston Salem. Mr. Jones was formerly located in Grand Rapids.

Exclusive Distributors for DUVAL TEXAS SULPHUR COMPANY
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Trade News Briefs

H. B. Davis Company, paint manufacturer, Baltimore, will soon start construction of a second floor over its varnish department.

Beryllium Alloys Company has a large deposit of beryllium at Vista, Cal., and the necessary machinery to develop will be installed. Edgar R. Larson is in charge.

Imperial Chemical Industries, London, expects to have in operation early in 1939 the new ammonia works, site for which was purchased two months ago.

Blaw-Knox Company has acquired the Electro-Chemical Processes Company, Youngstown, which will be operated as the electro-chemical processes division of Blaw-Knox.

Standard Chromium Corporation, this city, has filed a certificate at Albany dissolving its corporate existence. The action was taken by its attorneys, Low & Low, 420 Lexington avenue.

Procter & Gamble Manufacturing Company has asked for bids on a two-story extension, 75 by 150 feet, to meet requirements for an addition at its Locust Point, Baltimore, plant.

Frank Matthew Bauer, of Pfaltz & Bauer, Inc., importer of scientific instruments and laboratory apparatus, this city, was married recently to Edna Beadle Warner in Cranford, N. J.

N. W. Rice, vice-president, has been made president of the United States Smelting & Refining Company, succeeding C. A. Hight, who was made chairman of the board of directors.

Hewitt Soap Company, Dayton, Ohio, has completed the merging of the Cincinnati Soap Company. Martin Schultes, vice-president, will continue to have charge of the toilet soap division of the combined companies.

National Bottled Gas Association members voted to change its name to Liquefied Petroleum Gas Association. The association will hold its annual convention March 21 and 22 in St. Louis.

Clyde E. Weed has been appointed general manager of mines of the Anaconda Copper Mining Company and its subsidiaries. Mr. Weed had been general manager of the Cananea Consolidated Copper Company since 1929.

Activated Alum Corporation, Baltimore, has installed another grinding unit for multi-stage reduction worked out by the corporation. A double triple decker screen for removing dust from alum is also being installed.

Laval University, Quebec, will shortly establish a school of mines to operate in conjunction with the other course offered at the University. The school will not open in the Fall of 1938, but at some unannounced future date.

W. R. Russell & Co., manufacturers' agent for industrial chemicals and dyestuffs, has moved to 133-137 Front street, this city. The Russell organization was formerly located at 56 Pine street. Telephone: John 4-1913 and 1474.

Pittsburgh Corning Corporation, a subsidiary recently formed by the Pittsburgh Plate Glass Company and the Corning Glass Works, has opened a new plant in Pittsburgh for the production of glass block for interior and exterior use.

Donald E. Walsh, who was manager of the Kingman Feldspar Company at Kingman, Ariz., has been transferred to the parent company office, the Consolidated Feldspar Corporation, Chicago, where he will be sales manager. He was relieved at Kingman by Harry W. McIntyre, from its Keystone, South Dakota, plant.

Monsanto Chemical Company has changed the regular monthly meeting date of the directorate to the third Wednesday instead of the fourth Tuesday of each month. Hereafter the quarterly dividends payable March 15, June 15, September 15, and December 15, will be acted upon at the February, May, August and November meetings.

Wood Ridge Manufacturing Company, manufacturer of insecticide and fungicide preparations, Woodridge, N. J., has taken over the Lethelin Products Company, a manufacturer in the same field, formerly of Manhasset, N. Y. The acquired organization will become a division of Curex, Inc., and affiliate of the Wood Ridge organization.

Chemist Advisory Council Formed

—Continued from page 5

problems will be the starting point of the council's activities. The council will strive to reduce unemployment among chemists and chemical engineers. It will serve as a fact-finding agency and central registration office, and it will maintain a bureau of personal advice to guide recent graduates, unemployed, unsuitably employed, and marginly employed chemists and chemical engineers, and to create and maintain a morale commensurate with the dignity of the profession.

The council will sponsor a placement bureau whereby a working register of all chemists and chemical engineers will be made available. The purpose is to keep on record, not only personal information and the usual facts concerning education and technical and business experience, but also a statement of preference and ambition—the position each would like if he could choose.

The Chemist Advisory Council has established temporary headquarters at 300 Madison avenue, this city.

The incorporators of the council, who are also the members of the board of directors are Robert T. Baldwin, secretary of the Chemists' Club, treasurer of the American Chemical Society, and secretary-treasurer of various industrial institutions; Marston T. Bogert, former president of the American Chemical Society, professor in the Department of Chemistry, Columbia University; Frank G. Breyer, partner in Singmaster & Breyer, consulting chemists and chemical engineers; William W. Buffum, general manager of the Chemical Foundation; Walter S. Landis, vice-president of the American Cynamid Company; George C. Lewis of the Columbia Alkali Company and the L. Martin Company; William T. Read, dean of the Department of Chemistry, Rutgers University; Maximilian Toch, president of Toch Brothers and president of the American Institute of Chemists; Edward R. Weidlein, director of Mellon Institute and former president of the American Chemical Society.

The directors have elected the following as officers of the council:—President, Walter S. Landis; vice-president, William T. Read; secretary, M. R. Bhagwat; treasurer, Robert T. Baldwin.

Fair Trade League Initial Meeting Feb. 28

The American Fair Trade League will be organized at a meeting in the Hotel Astor, this city, February 28. The meeting, which will start at noon and include a banquet at night, will be held on approximately the twenty-fifth anniversary of the old American Fair Trade League, which faded out in the midst of the last depression. William H. Ingersoll, of Ingersoll & Norvell, is chairman of the organizing committee.

The primary purpose of the league, Mr. Ingersoll said, will be to act as a clearing house for information on all details of the fair-trade laws, now enacted in forty-two States, and the Miller-Tydings law. The league would answer unfair and prejudical statements against price maintenance, gather information on its effect, help members in ironing out problems in connection with it and provide speakers to address meetings of organizations which have heard only the opponents' side, he added.

In addition to Mr. Ingersoll, the organizing committee includes Dr. E. L. Newcomb, National Wholesale Druggists Association; Henry Hoyns, Harper Brothers; Albert Gregg, American Cigar and Cigarette Company; R. D. Keim, E. R. Squibb & Son; John W. Mettler, Interwoven Stocking Company; W. L. Hollingsworth, Associated Retail Tobacco Dealers of America; Crichton Clarke, counsel to American Booksellers Association; Fred Griffith, of the Pennsylvania Drug Company, and others.

Pfaltz & Bauer Engages Vollrath

Pfaltz & Bauer, Inc., importer of scientific instruments and laboratory apparatus, this city, has added John P. Vollrath to its sales staff. Mr. Vollrath, after completing technical training in Europe, was associated with both Leitz and Zeiss. Rolland Jenkins is no longer connected with the organization.

Coaltar Dyes Strength Standards Issued

The Bureau of Customs has released supplementary list No. 53 of proposed standards of strength of imported coaltar dyes. The list is as follows:—

Standard No.	Class Index.	Name of Standard.	Mfr.	Partial list of trade names of imported products commercially identical with each standard.	Mfr.
1 BT	(D)	Brilliant Congo blue BFL	(IG)	Diazamine silk blue BDD	(NF)
2 BT	(DAS)	Cibacete black BN green shade	(J)		
3 BT	(DAS)	Cibacete yellow 2RN	(J)		
4 BT	(A)	Cloth fast green G	(J)	Lanasol green G conc. spirit soluble	(J)
5 BT	(D.a.)	Diphenyl fast brown 3BL	(G)	Diphenyl fast brown 3BL conc. No. 1943	(G)
6 BT	(M)	Fast mordant blue B	(IG)	Fast mordant blue B ex. conc	(P)
7 BT	(V)	Hydron printing blue 3R paste 15%	(IG)	Hydron printing blue 3R suprafix pdr	(IG)
8 BT	(SV)	Indigosol blue IBC 20% paste	(IG)	Indigosol blue IBC paste and pdr.	(IG)
9 BT	(A)	Milling yellow H5G	(IG)	Xylene milling yellow 6G	(S)
10 BT	(DAS)	Setacyl direct blue R.S	(G)	Setacyl direct blue R.S. conc	(G)
11 BT	(V)	Vat brill. pink 3B 12% paste	(IG)	Vat. brill. pink 3B paste and pdr.	(IG)
Additional Names of Dyes Corresponding to Dyes Already Adopted as Standards					
16	S-VII 800 / C-692	Acid fuchsine S	(B)	Acid magenta AS	(BDC)
78	S-VII 1201 / C-1078	Alizarine cyanine green G extra.	(By)	Alizarine fast green G	(J)
82	(A)	Alizarine direct blue A	(M)	Alizarin azurol A	(P)
83	S-VII Suppl.	Alizarine direct blue A2G	(M)	Acid light blue A2G double conc.	(P)
105	S-VII 1145 / C-1034	Alizarin red S	(B)	Alizarine red N. S	(Kuhl.)
109	S-VII 1210 / C-1091	Alizarine rubinol R	(By)	Erio anthracene rubine R No. 1216.	(G)
154	S-VII 1237 / C-1114	Anthrene blue BCS 20% paste..	(Newport)	Ostan blue BCL	(AV)
166	S-II C-	Listed azo eosine G Listed	(By)	Azonaphthol red 2J	(P)
179	S-VII C-	Suppl. benzo fast black L Listed	(By)	Chlorazol fast black BKS	(C.I.)
382	(A)	Cloth fast red 3B	(J)	Cloth fast red 3B conc. spirit soluble	(J)
534	S-463 / C-582	Direct deep black RW extra	(By)	Direct black Z	(So. Ex. Co.)
9 BQ	(D)	Direct light blue BV	(P)	Chlorazol fast blue 5GKS	(I.C.I.)
10 BI	S-VII 871 / C-Suppl.	Erio fast brilliant fuchsine BBL.	(G)	Brilliant milling violet N.B. conc.	(Kuhl.)
595	S-VII 736 / C-636	Fast light yellow 3G	(By)	Lissamine fast yellow 2GS.	(Can. Ind.)
604	S-II C-Listed	Listed formal fast black G conc.	(G)	Direct fast black JB	(P)
606	S-VII 806 / C-698	Formyl violet S4B	(C)	Brilliant milling violet N3B extra conc.	(Kuhl.)
659	S-VII 1351 / C-1219	Helindone violet R paste	(M)	Vat violet R	(IG)
703	S-VII 1234 / C-1113	Indanthrene blue GCD paste	(B)	Cibanone blue GCD for nitrocellulose lacquer	(J)
709	S-VII 1228 / C-1166	Indanthrene blue RS paste	(B)	Ostanblau RS roh getrocknet	(A.V.)
743	S-VII 1260 / C-1161	Indanthrene red violet RRN paste.	(B)	Vat red violet RRKW powder, fine for dyeing	(IG)
774	S-II C	Listed isamine blue R Listed	(C)	Anthranile sky blue R	(NF)
10	BH (M)	Naphtochrome violet R	(J)	Neochrome violet N2R	(Kuhl.)
883	S-333 / C-401	Oxamine black BHN	(B)	Direct diazo black C	(Sox. Ex. Co.)
897	(D.a.p.	Para brown V extra	(By)	Trinitra brown VV	(NVF)
921	S-VII 367 C	Polar orange R conc. Listed	(G)	Neutral orange for silk NR extra	(Kuhl.)
925	S-VII 379 / C-430	Polar red RS conc	(G)	Neutral red for silk NB extra.	(Kuhl.)
933	S-VII 747 / C-653	Pyrazol orange G	(S)	Pyrazol orange GH	(S)
986	S-VII C	Suppl. solamine blue FF Listed	(A)	Diazol light blue NR conc	(Kuhl.)
1022	S-VII 280 / C-816	Thiazol yellow 3G	(By)	Direct methyl yellow JS	(St. Clair du Rhone)
1042	S-VII 446 / C-446	Toluylene orange R	(By)	Paradiazol brown NR	(Kuhl.)
1043	S-VII 425 / C-436	Toluylene red	(Gr-E)	Fast diazol purpurine N8B	(Kuhl.)
1062	S-559 / C-729	Victoria blue B	(B)	Victoria blue B ex. conc. A.T	(P)
1076	S-VII 974 / C-833	Wool fast violet B	(By)	Violet BW for nitrocellulose lacquer	(J)
1086	S-II C	Zambesi black D Listed	(A)	Direct diazo black SD No. 3146	(P)

Changes in Standard List

Setacyl direct blue RS concentrated No. 1362 (G) listed under standard 3BC, and setacyl direct red GN supra No. 1366 (G) listed under standard 281, are removed from the list.

Doherty Receives Anthony Lucas Medal

Henry L. Doherty, president of the Cities Service Company, received the Anthony F. Lucas gold medal at the annual dinner of the American Institute of Mining and Metallurgical Engineers, held in the Waldorf-Astoria, this city, February 16. The award was made for distinguished achievement in the practice of finding and producing petroleum.

Others who received awards from the institute were Roy A. Lingren, who was given the J. E. Johnson, jr., award for his paper on performance and selection of refractories for blast furnace linings; Hal W. Harding, who received the James Douglas medal for distinguished achievement in non-ferrous metallurgy, and Thomas S. Washburn and John Hunter Nead, who won the Robert Woolston Hunt prize of $250 for a paper presented at the institute last year.

Professor Percy W. Bridgman, of Harvard University, addressed the annual meeting of the institute, which was held in the Engineering Societies building, this city. Professor Bridgman described the conversion of non-metallic chemical elements into elements having the properties of metal by the application of high pressure. A new scientific method of identifying and analyzing different sulphide minerals in ores by use of colored photo-micrographs was discussed by A. M. Gaudin, research professor of mineral dressing at the Montana School of Mines.

Professor Gaudin reported that a thin section of an ore containing sulphides is polished and then dipped in a solution of hydrochloric acid, chrome oxide and water, which forms a thin coating over some of the sulphides and a thick one over others. He added that the section is then studied under a microscope and the difference in the thickness of the films over the various sulphides makes it possible to distinguish them quickly and easily.

Lacquer Sales Show Increase for 1937

Sales of clear lacquers, pigmented lacquers, and lacquer bases, dopes, and thinners by 158 manufacturers as reported to the Bureau of Census for the fourth quarter of 1937, and a comparison with the similar period in 1936, were as follows:—

		1937.	1936.
Clear lacquers	gals.	2,259,966	2,915,649
	value.	$3,070,026	$3,936,299
Pigmented lacquers	gals.	2,695,660	3,220,487
	value.	$6,062,869	$7,011,408
Lacquer bases and dopes	gals.	367,064	465,147
	value.	$422,974	$539,380
Lacquer thinners	gals.	4,886,995	5,519,730
	value.	$3,132,195	$3,606,802
Totals	gals.	10,209,685	12,121,013
	value.	$12,688,064	$15,093,889

Sales for the year 1937, and a comparison with the previous year were as follows:—

		1937.	1936.
Clear lacquers	gals.	10,657,040	10,046,782
	value.	$14,536,725	$13,611,214
Pigmented lacquers	gals.	12,424,000	12,315,801
	value.	$27,299,182	$26,339,196
Lacquer bases and dopes	gals.	1,952,918	1,863,900
	value.	$2,252,094	$2,127,011
Lacquer thinners	gals.	21,783,155	20,060,785
	value.	$14,402,191	$13,772,559
Totals	gals.	46,817,113	44,287,268
	value.	$58,490,192	$55,849,980

Insecticide Fund Voted by House

OPD Washington Bureau
February 18, 1938

The senate appropriations committee reported favorable to the senate a bill already passed by the house making $2,000,000 immediately available to the Department of Agriculture for the control of incipient or emergency outbreaks of insect pests or plant diseases, including grasshoppers, Mormon crickets, and cinch bugs.

The appropriation was authorized under an act passed last April, but it was stated that to be of value the appropriation must be available prior to the beginning of the next fiscal year, and so this item was lifted out of the department's regular appropriation bill.

If the measure is passed by the senate shortly, the department will be able to purchase and begin distribution of poisoned bait and other materials in sections where it is necessary by the first of next month.

Turpentine Stocks To Be Sold by U.S.

OPD Washington Bureau
February 17, 1938

The Commodity Credit Corporation has completed arrangements for marketing its remaining stock of turpentine through regular trade channels.

The corporation still owns slightly less than 45,000 barrels of turpentine taken over as collateral on loans made to naval stores producers. Under the new arrangement this stock will be merged with commercial visible supplies and will be sold by regular distributors at market prices in the ratio of 80:20 to April 1 and 90:10 to the end of 1938. This means that every sale of turpentine made by the cooperating dealers will include a percentage of the government-owned stocks.

Signatory distributors normally handle about 400,000 barrels of turpentine annually, or about 80 percent of the average crop, and on this basis the government expects to dispose of its entire stock by the end of the year. The government is guaranteed a fair market price, and it is stipulated that, if the market is other than firm or in case of a price decline, the CCC will have an option of refusing to sell. The CCC closed out its stocks of rosin some months ago.

Phosphate Recovery Patent Claims Denied

In an opinion affirming a decision by the Board of Appeals of the Patents Office, the United States Court of Customs and Patent Appeals has rejected all eight claims of an application for a method of recovering phosphates from minerals and apparatus for the procedure. The application was filed by Arthur J. Mason, deceased, and assigned to Swift & Co. Fertilizer Works.

The court found no real distinction between this process and one described in an application filed earlier by George H. McCoy. A patent was eventually granted on the McCoy process and this also was assigned to Swift & Co. Fertilizer Works.

The counts relating to the apparatus were rejected as showing no patentable improvement over the prior art.

Paint Chemists to Meet

Paint chemists who are members of the Chemists' Club, this city, have scheduled a meeting, to which interested nonmembers will be welcomed, in connection with an informal dinner in the club February 23 at 7:00 p. m. Club members are asked to give the office advance information of their intention to attend. Nonmembers are to attend as guests of members.

Mrs. Trigg Out of Danger

A cablegram from Ernest T. Trigg to his son conveys the information, February 18, that Mrs. Trigg, who was operated on in a Honolulu hospital February 4 for appendicitis, had passed through the critical period and was out of danger.

IMPORTANT TO YOU!

A QUICK REVIEW OF BARRETT TAR ACIDS

Barrett Tar Acids are produced to meet highest standards of quality, uniformity and dependability. Barrett's unmatched service is available to every customer. Phone, wire or write for quotations.

PHENOL

***(Natural) U. S. P. 40° C. Minimum Melting Point* is a pure white crystalline product generally used in the manufacture of Phenol-Formaldehyde Resins when extremely light color is necessary. Also used in the manufacture of chemicals and dyestuffs requiring material of highest purity.**

***39° C. M. M. Pt. Technical* approximates the U. S. P. material in quality and is recommended for use when it is not necessary to adhere strictly to Pharmacopœia specifications.**

***82-84 per cent and 90-92 per cent Technical*—grades which contain limited amounts of Ortho, Meta and Para Cresols.**

CRESOLS

***U. S. P.* Barrett Cresol U.S.P. not only meets U. S. Pharmacopœia specifications but contains less than 9 per cent Phenol.**

***Meta-Para Cresol.* Standard grades having boiling ranges of 3° C. and 5° C. with Meta Cresol content—55 per cent and 52 per cent minimum respectively.**

***Ortho Cresol.* Minimum Melting Point 30.4° C.**

***Meta Cresol.* 70 per cent and 80 per cent, for chemical and synthetic resin manufacturers.**

***Para Cresol.* 85 per cent and 98 per cent, for chemical, synthetic resin and pharmaceutical manufacturers.**

Special Cresol Fractions, to meet users' specifications.

CRESYLIC ACID

Straw color and dark grades of various distillation ranges, depending on requirements. Special grades for synthetic resin manufacturers.

XYLENOLS

Boiling range 210-225° C. or narrower fractions, if desired. Also Meta Xylenol Crystals (symmetrical).

TAR ACID OILS

Carefully blended oils ranging in tar acid content from 10 per cent to 75 per cent.

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Barrett CHEMICALS

Coaltar Chemicals

Benzol Continues Firm—Cresylic Acid Buying Fair—Better Inquiry For Refined Naphthalene—Phenol Demand Moderate—Toluol And Xylol Steady—Intermediates and Acids Remain Quiet

The market for coaltar chemicals continued highly irregular throughout the week just closed. Manufacturing consumers were ordering out supplies conservatively. However, sellers reported that business was of sufficient volume to give the market a firm price tone. Benzol continued as a firm feature. Intermediates noted a better inquiry. Buying of colors was spotty.

Benzol buying was sufficient to absorb the rather limited supplies on hand, reflecting the low production levels. Consequently, prices tended toward a firmer level. Steel mill operations last week were estimated at 31 percent of capacity, compared with 30.7 percent in the preceding week, 29.8 percent a month ago, and 81.6 percent in the corresponding week a year ago, according to the American Iron and Steel Institute.

Toluol displayed a firm tone. Reports from the automobile industry indicated that production last week was at 57,810 units, compared with 51,443 units in the preceding period. Xylol displayed a firm tone. Phenol demand was moderate, with prices firm at previous levels. A better inquiry was noted for refined naphthalene, and seasonal withdrawals are expected in the near future. Cresylic acid was firm, with the call from the disinfectant manufacturers expected to improve if flood conditions in various sections of the country gain momentum. Creosote oil displayed a steady to firm tone, with demand continuing moderate at times. Anthranilic acid was firm. Phthalic anhydride noted a fair demand, and a firm tone prevailed during the week.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

week. Last	week. Prev.	month. Last	year. Last
127.3	127.3	127.3	123.1

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol. — The position of industrial benzol remained about the same as the past several weeks, with the price holding firm and the supplies at a low ebb. Demand from usual consumers was sufficient to absorb the stocks on hand. Steel operations last week were slightly improved at 31 percent of capacity, compared with 30.7 percent in the preceding week, 29.8 percent a month ago, and 81.6 percent in the corresponding week a year ago, according to the American Iron and Steel Institute. The United States crude rubber consumption in January totaled 29,429 tons, against 29,160 tons in December, 1937, and 50,818 tons in January, 1937, Rubber Manufacturers Association announced. Stocks increased to 269,078 tons from 256,618 tons the preceding month and 204,201 tons in January, 1937.

Creosote Oil. — Business in this direction was of routine proportions last week. The railroad and utilities were withdrawing moderate quantities, and prices were steady to firm at previous levels. December exports amounted to 23,205 gallons, valued at $4,343, of which 13,060 gallons went to Mexico; 5,788 gallons to Colombia, and 1,346 gallons to Canada.

Cresol.—A fair buying movement was prevalent during the week just ended. Flood conditions in various sections of the country may soon show some reflection in this market. Sellers reported prices were firm at levels in force the preceding week.

Cresylic Acid.—Business was fair at times throughout the week under review. The call from disinfectant manufacturers may improve later if early flood reports are a forerunner of worse conditions when the winter thaw becomes more general. Sellers reported prices were firm at previous levels.

Naphthalene.—A seasonal pickup in the refined material is generally anticipated in the near future; sellers already report a good inquiry exists, and any improvement in the refined is expected to be reflected in better demand for the crude naphthalene. No change was revealed in quotations from the preceding period.

Phenol.—Withdrawals for the account of the synthetic resin industry and other usual consumers was moderate throughout the week just ended. Sellers are looking forward to an improvement as the spring season approaches. Quotations were well maintained at levels in force previously.

Solvent Naphtha.—Usual consumers were supplying a fair call for the industrial water white solvent naphtha. No change was noted in quotations. Business for the high flash material was fair, and prices ruled firm.

Tar Acid Oils.—A firm tone governed dealings during the week just ended. Flood reports in various sections of the country have provided a better inquiry, and larger withdrawals are expected to materialize later in the season.

Toluol.—A fair demand was noted at times last week. Sellers are looking forward to improvement in the near future. Prices were steady to firm at previous levels. Automobile production last week amounted to 57,810 units, compared with 51,443 units in the preceding period, and 74,145 units in the corresponding week last year.

Xylol.—A firm tone ruled in the market again last week. A moderate call was reported from usual consumers, and prices were in conformity with those prevailing in the previous week.

Chicago Coaltar Bases

Buying remains fair in most grades of coaltar bases, with benzol holding up fairly well, at prices generally unchanged. Inquiry is reported fair in toluol and xylol. The price structure has been about unchanged for some time. Output is still restricted by reason of conditions in the steel industry. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c.; toluol, 30c.; 10-degree xylol, 33c.; solvent naphtha, 30c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—A firm tone continued the rule in the market for the refined and technical acids. Withdrawals were fair at times from usual consumers to meet immediate requirements only.

Broenner's.—This market continued to display a firm tone during the week, demand was confined to actual needs. Prices were firm at previous levels.

Gamma.—This market continued quiet throughout the week under review. Despite the dull nature of the dealings, sellers reported prices were steady to firm.

Salicylic.—Shipments were moving against contracts at a fair pace throughout the week. No change was disclosed in quotations.

Sulphanilic.—Another quiet week characterized dealings in the market, with demand confined to small quantities; prices were firm at previous levels.

Tobias.—Developments of importance were lacking in this direction throughout the week just ended and prices were firm at previous levels.

Other Intermediates

Anilin Oil.—This market revealed little change from recent weeks. Shipments were moving against contracts at a fair pace, but consumers were apparently covering for immediate needs only. Prices were firm and unchanged.

Anthraquinone.—The call was moderate throughout the week under review. Sellers reported a firm tone governed the dealings and quotations were in conformity with those prevailing in the preceding period.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Betanaphthol.—This market displayed a firm price tone last week. Shipments were moving against contracts at a fair pace.

Dinitrobenzene.—This product experienced a fair demand at intervals last week. Prices were firm and unaltered from the preceding week.

Dinitrochlorobenzene.—Sellers reported demand was spotty during the week just ended. Quotations were maintained at level previously in force.

G. Salt.—Another slow week was experienced in this direction last week. Sellers were adhering to prices previously in force.

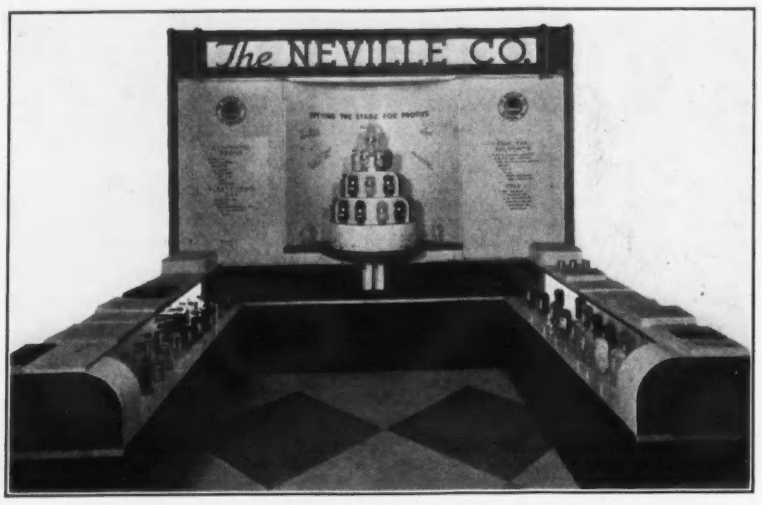
Nitrobenzene. — Regular consumers supplied the call, but were ordering for immediate requirements only. A firm tone ruled, with quotations unaltered.

Orthodichlorobenzene.—The call was fair during the week, sellers reported a firm tone governed the dealings, with prices unchanged.

Phthalic Anhydride.—A good inquiry continued in evidence again last week, and quotations were unaltered from last week.

Coaltar Colors

Business in the market for coaltar colors continued spotty throughout the period just closed. Indications were that the textile industry was ordering out supplies to meet immediate production requirements. Reports from various textile centers were to the effect that business has improved over the early weeks of the year. Seven colors for women's shoes, nine for men's shoes, and eleven for women's gloves for the Fall, 1938, season have been chosen by the Textile Color Card Association. The women's shoe colors comprise three new ones—a light Havana brown type, a terra cotta and a dark plum shade—and four old ones: coffee brown, India brown, chateau wine and marine blue. Outstanding in the glove hues are a tan and brown of the Havana type, a terra cotta, two greens and a dark purple tone. Five new and four repeated colors were chosen for men's footwear, the names of which will be announced later.



Neville Company Exhibit at 1937 Chemical Exposition

Color Council Meeting To Be Held Feb. 24

The Inter-Society Color Council and the Optical Society of America will discuss the various aspects of color application and measurement at a meeting February 24 in the Electrical Testing Laboratories, Eightieth street and East End avenue, this city. The afternoon session will be largely technical, while the evening session, admittance to which will be by ticket only, will be more general.

The annual business meeting of the council will be held at 9:30 a. m., February 24. Among the speakers at the afternoon session will be Professor A. C. Hardy, of Massachusetts Institute of Technology; J. L. Michaelson, of the General Electric Company, Schenectady, N. Y., and Carl Foss, of the International Printing Ink Company, this city. Speakers at the evening session include Dr. Forrest Lee Dimmick, of Hobart College, and Dr. Loyd A. Jones, of the Eastman Kodak Company, Rochester, N. Y. Miss Dorothy Nickerson, of the United States Department of Agriculture, Washington, is secretary of the council.

Textile Chemists To Meet Feb. 25

The New York section of the American Association of Textile Chemists and Colorists will hold a regular meeting, February 25, at 8 p.m., in the Swiss Chalet, Rochelle Park, N. J.

The major features of the meeting will be presented by Rudolph Lindenmaier, technical adviser in the chemical department of the Sandoz Chemical Works, and R. R. Sleeper, of the Calco Chemical Company. Mr. Lindenmaier will speak on "Some Aspects of Water Repellancy." Mr. Sleeper will exhibit the Calco sound-motion picture, "Beyond the Rainbow."

As usual an informal dinner will precede the meeting. This is set for 6:30 p.m., and the price will be $1.50. The customary registration fee of 25 cents will be collected in the meeting.

Buyers and Sellers Analyze Contacts

—*Continued from page 5*

buyers as they would like their purchasing agents to be treated.

Some of the more controversial aspects of the subject that came up and mostly were argued to clearer mutual understanding were chiseling, price-cutting, reciprocity, pulling wires, being frank with the other fellow, reporting full facts to superiors, giving information about volume of requirements, checking and investigating reports of calls. The conference closed on a chord as harmonious as that with which it opened, and the visiting sales representatives—they were somewhat in the majority — mixed quite satisfactorily with their buyer hosts in a pleasant cocktail hour.

Later the assembly sat down to a turkey dinner; heard some music; were told of the purposes of purchasing agents' organizations by Mr. Voorhis; heard an analytical summary of the day's results from George A. Renard, executive secretary-treasurer of the National Association of Purchasing Agents; and listened to a talk on general business conditions and economic trends by Paul G. Hoffman, president of the Studebaker Corporation. The dinner did not fall in the category of "entertainment" in the sense of buyer-seller relations; it was on a pay-your-own-way basis.

J&L LIGHT OIL DISTILLATES

COMMERCIALLY PURE BENZOL
90% BENZOL • CXP BENZOL
XYLOLS (SOLVENT NAPHTHA)
REAGENT BENZOL • PURE TOLUOL
SULPHATE OF AMMONIA

JONES & LAUGHLIN STEEL CORPORATION
PITTSBURGH, PENNSYLVANIA

See if Koppers makes it

KOPPERS CHEMICALS AND SOLVENTS

Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and industrial) . . . Solvent Naphtha (including High Flash) . . . Phenol (82% and 90% Purity) . . . Cresol (U. S. P., Resin and Plasticizer Grades) . . . 3° Meta Para Cresol . . . Cresylic Acid (Disinfectant Grades—98%, pale low-boiling. Insecticide Grades—98%, pale, high-boiling) . . . Naphthalene . . . Shingle Stain Oil . . . Refined Tars . . . Tar Acid Oils . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

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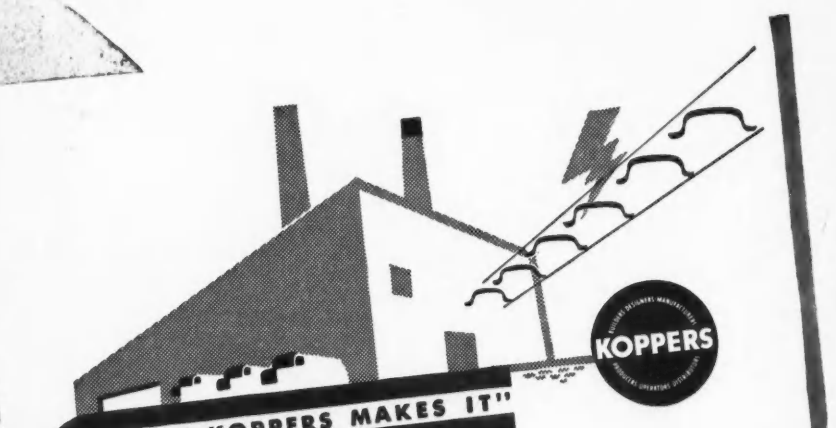
Tanks and Tank Work . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Phenol Removal Apparatus . . . By-Product Gas Plants . . . By-Product Recovery Apparatus . . . Sulfur Recovery Apparatus . . . Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Fast's Self-aligning Couplings . . . Fire Hydrants . . . Piston Rings . . . Gas, Air and Water Valves . . . Pressure-treated Lumber



Koppers designed and built a municipal incinerator which not only disposed of the garbage but utilized the waste heat to generate so much electricity that the saving will pay for the entire plant in a few years.

Koppers engineers, with their experience, may be able to help with some problem in your business.

KOPPERS COMPANY
PITTSBURGH, PA.

Chain Store Tax Bill Is Introduced

—Continued from page 3

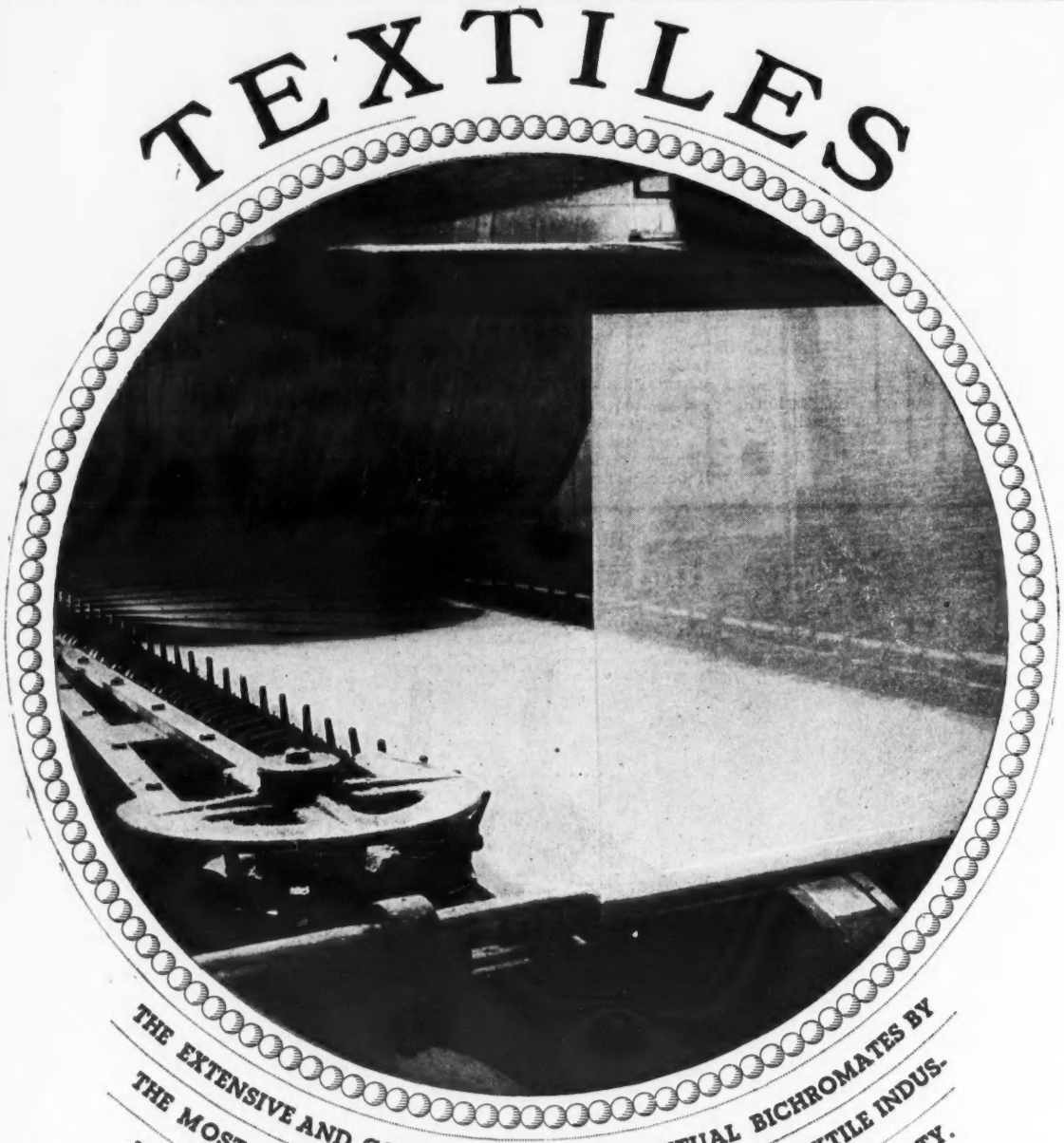
the second fiscal year it would be one-half of one percent.

A chain with a gross annual business of less than $250,000 would be exempt from the tax. Also exempt would be filling stations not engaged in the sale of automobile tires or tubes, restaurants and sales facilities maintained by common carriers for the benefit of employees and passengers, branch distribution offices of newspapers, and "individually owned stores whose revenues in part or in whole are not made available to or inure to the immediate or ultimate benefit of any other individual store, store owner, or any other person, firm, or corporation operating a retail store as herein defined." Otherwise the tax would apply to any mercantile establishment in which goods, wares, or merchandise of any kind or description are sold at retail.

In order to prevent evasion of the tax, the bill defines the term, "under the same general management, supervision, ownership, or control," as including, "control or direction by one management or association of ultimate managements, whether by legal control, direct or indirect, or by actual control, direct or indirect, through ownership or control of evidences of indebtedness, physical property, or other assets, through contracts, lease, or agency arrangements, through interlocking directors or officers, or through any other means."

In a statement issued today, Representative Patman declared that more than 150 members of the house have pledged themselves to vote for the bill. He described the measure as a bill to regulate selfishness and prevent greed, and declared that if 100 corporations owned the same number of retail outlets that one corporation now owns, all the retail stores in America, from peanut stands to automobiles, would be owned by these 100 corporations operating from Wall street. The bill, he said, takes into consideration the fact that small chains operating locally assume and pay a much larger tax burden locally and in the State than the national corporate chains pay, and hence the exemptions of the chains with small numbers of stores. Mr. Patman's statement also quoted at considerable length from a large number of speeches made by President Roosevelt on various occasions in which he champions small and local businesses and attacked the concentration of wealth and economic power. Mr. Patman added that this bill will prevent free enterprise from being gobbled up piece by piece; will cause the employment of more than a million people; will raise a large sum in taxes; will result in the American people paying lower prices in the long run, and greater efficiency in the system of distribution. He added that no system is so uneconomic and wasteful as a large national chain store system.

Roland Jones, jr., Washington representative of the National Association of Retail Druggists, declared that his organization will work for passage of the chain store tax bill through the same methods as were employed in supporting the Robinson-Patman and Tydings-Miller acts. The association has contact committees in every congressional district in the United States, with a total membership of approximately 6,000, he said, and these committees will work to pledge their local congressmen to vote for the Patman chain store bill. It is not expected, however, that the bill will come to a vote during the present session of Congress.



THE EXTENSIVE AND CONTINUOUS USE OF MUTUAL BICHROMATES BY THE MOST EXPERIENCED DYERS AND PRINTERS IN THE TEXTILE INDUSTRY IS A GRATIFYING TRIBUTE TO THEIR HIGH UNIFORM QUALITY.

Yarn aligning machine in the plant of Bellmen Brook Bleachery Company at Fairview, New Jersey, which has used Mutual Bichromates for many years

BICHROMATE OF SODA
BICHROMATE OF POTASH

CHROMIC ACID
OXALIC ACID

MUTUAL CHEMICAL COMPANY

Mutual Chemical Company of America • • • 270 Madison Avenue • • • New York City

Fertilizer Watering Of Soil Advocated

—Continued from page 4

fixing plants in connection with irrigation projects.

The patents referred to are No. 2,028,172, and No. 2,088,869. Patent No. 2,028,172, issued to William O. Sweek, Phoenix, Ariz., and assigned one-fifth to W. T. McGeorge, Tuscon, Ariz.; one-fifth to Julius S. Benrath, Phoenix; one-fifth to James K. Saunders, Washington, D. C.; and one-fifth to Herbert H. Porter, Claredon, Va.; covers irrigation and fertilization of soils by using the stored power of water for producing electricity, employing the electricity to fix nitrogen, introducing the fixed nitrogen into water, and using the power of the stored water also for moving the charged water to the soil. Patent No. 2,088,869, issued to Herbert H. Porter, Clarendon, Va., proposes "to employ the energy of water for producing ammonia and for converting the same in part to nitric acid, and then to convert the nitrogen gases, as ammonium and nitric acid ions, to the soil by the irrigation water."

Tin in Michigan Reported to Congress

OPD Washington Bureau
February 17, 1938

The house committee on foreign affairs does not plan any immediate investigation into reports of extensive deposits of tin ore in the upper Michigan peninsula, it was stated today at committee headquarters, but the committee will continue its work on the bill (H.R. 9154) to provide for cooperation between the United States and tin-producing countries. The measure has for its purpose the initiation of arrangements with tin-producing nations to assure this country a continuing supply of the material.

Following a hearing on the bill last week, the committee received a report from a mining company in Marquette, Mich., to the effect that the concern has holdings there containing a reserve of at least 5,000,000 tons of metallic tin. Testimony at the hearing was to the effect that, while small deposits of tin occur at numerous places in this country, there are no known deposits of great commercial value, making it necessary for the United States to obtain tin from Bolivia and other large producing nations.

Officials of the Geological Survey report that they have analyzed numerous samples of ore from the upper Michigan peninsula which were thought to contain tin, but that they have not found any of the samples to contain tin in quantities which would make its recovery practicable.

Manganese Reserve For War Advocated

OPD Washington Bureau
February 16, 1938

A bill directing the War Department to purchase stocks of domestic manganese and hold them as a war reserve was introduced today by Senator John E. Miller of Arkansas.

The bill (S. 3460) would authorize the expenditure of $40,000,000 for the purchase of 554,000 tons of metallic manganese in the form of domestically mined ferromanganese ores and concentrates. For ores containing 40 percent or more of metallic manganese the price would be 60 cents per unit, increasing at the rate of 1 cent per unit for each additional unit over 40 percent, with a schedule of premiums and penalties for silica and phosphorus content.

Phila. Chemical Club Re-Elects Lloyd President

The Chemical Club of Philadelphia, at a meeting January 25, upon the recommendation of the nominating committee, headed by W. H. Davis, of the Harshaw Chemical Company, re-elected officers for 1938. The officers are:—President, Lyman S. Lloyd, of the Alex. Fergusson Company; vice-president, W. R. Cleary, of the Barrett Company; treasurer, Webster Rice, of the J. T. Baker Chemical Company, and secretary, G. B. Heckel, jr., of *Drugs, Oils and Paints.*

Dyestuffs, Textile and Leather Chemicals

Domestic Egg Yolk Lower—J1 Myrobalans Advanced—Bichromates Firm—Corn Derivatives Steady—R2 Myrobalans Lower —Zinc Dust Unchanged—Dyestuffs Quiet

Demand for dyestuffs and tanstuffs was a little better than the preceding week. The slight improvement could be attributed to the reports of increased activity in the textile industry, and the improved sentiment as the result of tangible signs of Spring buying in some lines. Changes in the market included an advance for J1, myrobalans and reductions for the R2, myrobalans and domestic egg yolk.

Reports of improved activity in the textile industry were borne out, when word was received from the Philadelphia area that seven mills closed for long periods were getting under way again employing several thousand workers. Announcement was also received of a settlement by a large shoe manufacturer of labor difficulties extending over a two-year period in fifteen of its plants throughout the country. The bichromates were firm features, and experienced a better demand from the textile and tanning industries. A better inquiry was noted for dyestuffs last week. Annatto and cochineal were firm. Corn derivatives were steady to firm. The advance of the basic grain in the past week may be reflected soon in the price of dextrin and starch. Washington wires quoted Secretary Wallace as saying that the new farm bill in all likelihood would prevent the prices of corn from falling below 40 cents per bushel, except for a short time in the Western belt. It would seem, he added, that the price could be maintained at an average of at least 60 cents per bushel except in years of excess large crops. Domestic egg yolk was reduced 3c. per pound, while albumen remained unchanged. The imported materials remained nominal. Domestic production is expected to get underway this week in various sections of the country. Zinc dust was unchanged, reflecting the steady tone of the basic metal. Tanning materials were highly irregular. J1, myrobalans were advanced, and the R2, myrobalans were reduced. Sumac and valonia were firm.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Myrobalans, J1, $1 per ton.

Reduced

Egg yolk, dom., 3c. per lb.
Myrobalans, R2, $2.50 per ton.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
154.5	154.5	155.0	152.8

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride.—Business in this market continued at a fair pace last week. Prices were firm.

Potash Bichromate.—A firm tone was experienced in this market again last week. The call from the textile and tanning industries was fair at times, and prices were unaltered.

Soda Bichromate.—Business in this market continued highly rregular during the week just ended. Sellers were adhering to prices quoted in the preceding period.

Zinc Dust.—Demand continued fair again last week. Prices were steady at the lower levels reported in the preceding week, reflecting the firmer tone for the basic metal.

Dyestuffs

Annatto.—Business in the market for the seed and paste materials was spotty last week. Sellers were quoting the same prices as announced in the preceding week. December imports of annatto and extracts amount to 71,800 pounds, valued at $3,296, of which 54,000 pounds came from Ecuador; 15,800 pounds from Jamaica, and 2,000 pounds from the Dominican Republic.

Cochineal.—Little could be said regarding the activity in this market during the week. Despite the dullness of the call, sellers were adhering to previous quotations.

Fustic.—The market was a rather dull affair last week. Usual consumers were ordering supplies when needs became urgent only. A steady to firm tone prevailed.

Logwood.—Shipments were moving out at an irregular pace. Prices were in conformity with those prevailing in the preceding period. December imports amount to 1,974 tons, valued at $22,676, all from the Republic of Haiti. Logwood extract imports for the same month totaled 3,553 pounds, valued at $765, all from France.

Sizing Materials

Albumen.—The market for edible egg albumen continued quiet during the week. Prices were strictly nominal. The nominal position of the market resulted from the uncertainty of supplies from China. Domestic production was reported to be underway in some sections of the country.

Dextrin.—Demand was moderate throughout the week just closed. Prices were retained at the levels announced late last week, which were 5c. per 100 pounds lower. Exports of corn by the United States during the current season have been the largest since 1929. The Department of Agriculture estimated total is 17,000,000 bushels. During the comparable period last season, this country imported 24,000,000 bushels. Production of corn in exporting countries other than the United States is nearly 200,000,000 bushels less than last season, while world import requirements will be about 100,000,000 bushels less, says the department.

Egg Yolk.—Price for domestic egg yolk was reduced 3c. per pound at 65c. per pound. Domestic production is expected to get underway this week in various sections of the country. The imported price remained strictly nominal. The net movement of shell eggs out of storage in January amounted to 519,000 cases, compared with 182,000 cases in January last year. The 5-year average is 473,000 cases.

Starch.—Demand continued fair at times throughout the week. Prices were reduced 5c. per 100 pounds late last week. However, the position of corn has been greatly strengthened during the past week, and indications point to further revisions in this direction. The visible supplies of corn for week ended February 12 were 37,652,000 bushels, compared with 38,128,000 bushels in the preceding week and 13,205,000 bushels in the corresponding week last year.

Tanning Materials

Mangrove Bark.—This market remained about the same as the preceding period. Usual consumers were pursuing a conservative buying policy. Quotations were unaltered at $25 per ton.

Myrobalans.—Business in this direction continued highly irregular last week. Sellers were quoting slightly higher prices for the J1, myrobalans at $28.50; J2 was unchanged and the R2 were lower at $20.50 per ton.

Sumac.—Dealings in this market continued quiet throughout the week under review. Quotations for the ground were $66 per ton and $69 for the leaf material, unchanged from the preceding week.

Valonia.—A firm tone was experienced in this market last week. Sellers reported a moderate demand, with prices unchanged from the previous week.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

What You Can Use

Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

Fully protected by Copyright

Two-hundred-fifteenth Instalment

Leather

Mothproofing Agents for Pelts and Furs

(Continued from February 14 issue)

Potassium hydrogen tartrate
Potassium-bis(2-N-butoxy-5-chlor-3-methylphenyl)-5′-chlor-2′-sulphophenylmethane
Potassium-bis(2-N-butoxy-3:5-dichlorophenyl)-4′-chlor-2′-sulphonphenylmethane
Potassium-bis(2-N-butoxy-3:5-dichlorophenyl)-5-chlor-2′-sulphophenylmethane
Potassium-2:2′-dinormalbutoxy-3:3-dimethyl-5:5′:3″-trichlorotriphenylmethane 6″-sulphonate
Potassium-2:3′-dinormalbutoxy-3:5:2′:4′:6′-pentachlor-4″-sulphotriphenylmethane
Potassium-2:2′-dinormalbutoxy-3:5:3′:5′:3″-pentachlorotriphenylmethane 6″-sulphonate
Potassium-2:2′-dinormalbutoxy-3:5:3′:5′:4″-pentachlorotriphenylmethane 6″-sulphonate
Potassium-2:2′-dinormalbutoxy-3:5:3′:5′-tetrachlorotriphenylmethane 2″-sulphonate
Potassium-bis(5-chlor-2-methoxy-3-methylphenyl)-4′-sulphophenylmethane
Potassium-bis(5-chlor-2-methoxyphenyl)-5′-chlor-2′-sulphophenylmethane
Potassium-dibenzoxy-3:5:3′:5′:4″-pentachlor-2″-sulphotriphenylmethane
Potassium-dibenzyloxy-3:5:3′:5′:4″-pentachlorotriphenylmethane 6″-sulphonate
Potassium-bis(3:5-dichlor-2-N-butoxyphenyl)-2′-sulphophenylmethane
Potassium-bis(3:5-dichlor-2-cyclohexoxyphenyl-2′-sulphonphenylmethane
Potassium-bis(3:5-dichlor-2-ethoxyphenyl)-4′-chlor-2′-sulphophenylmethane
Potassium-bis(3:5-dichlor-2-ethoxyphenyl)2′-sulphophenylmethane
Potassium-bis(3:5-dichlor-2-isophopoxyphenyl)-2′-sulphophenylmethane
Potassium-bis(3:5-dichlor-2-methoxyphenyl)-4′-brom-2′-sulphophenylmethane
Potassium-bis(3:5-dichlor-2-methoxyphenyl)-5′-chlor-2′-sulphophenylmethane
Potassium-bis(3:5-dichlor-2-N-propoxyphenyl)-2′-sulphophenylmethane
Potassium-dicyclohexoxy-3:5:3′:5′-pentachlor-2″-sulphotriphenylmethane
Potassium-dicyclohexyloxy-3:5:3′:5′:4″-pentachlorotriphenylmethane 6″-sulphonate
Potassium-2:2′-dicyclohexyloxy-3:5:3′:5′-tetrachlorotriphenylmethane 2″-sulphonate
Potassium-2:2′-diethoxy-3:5:3′:5′:4″-pentachlorotriphenylmethane 6″-sulphonate
Potassium-2:2′-diethoxy-3:5:3′:5′-tetrachlorotriphenylmethane 2″-sulphonate
Potassium-2:2′-di-isoamyloxy-3:5:3′:5′-tetrachlorotriphenylmethane 2″-sulphonate
Potassium-2:2′-di-isobutoxy-3:5:3′:5′-tetrachlorotriphenylmethane 2″-sulphonate
Potassium-2:2′-di-isopropoxy-3:5:3′:5′-tetrachlorotriphenylmethane 2″-sulphonate
Potassium-2:2′-dimethoxy-3:3′-dimethyl-5:5′-dichlorotriphenylmethane 4″-sulphonate
Potassium-2:2′-dimethoxy-3:5:3′:5′-pentachlorotriphenylmethane 6″-sulphonate
Potassium-2:2′-dimethoxy-3:5:3′:5′-tetrachlor- 4″-bromotriphenylmethane 6″-sulphonate
Potassium-2:2′-dimethoxy-3:5:3′:5′:-tetrachlorotriphenylmethane 2″-sulphonate
Potassium-2:2′-dimethoxy-3:5:3′:5′:tetrachlorotriphenylmethane 4″-sulphonate
Potassium-2:2′-dimethoxy-5:5′:3″-trichlorotriphenylmethane 6″-sulphonate
Potassium-dinitroalphanaphthol
Potassium dinitroalphanaphthol betamonosulphonated
Potassium-bis(2-isobutoxy-3:5-dichlorophenyl)-2′-sulphophenylmethane
Potassium-bis(2-isophentoxy-3:5-dichlorophenyl)-2′-sulphophenylmethane
Potassium-2:2′-dinormalpropoxy-3:5:3′:5′:-tetrachlorotriphenylmethane 2″-sulphonate
Propylnaphthalensulphonic acid
Pyrazolone
Pyrethrum flowers
Pyridin alkaloidal derivatives
Pyridin fluosilicate
Pyridin fluosulphonate
Pyroligneous acid
Quassia
Quinidine
Quinidine hydrochloride
Quinine
Quinoidicine
Quinoline
Quinoline fluosilicate
Quinoline fluosulphonate
Rare earth acetates
Rare earth oxides
Resorcylic acid
Rotenone
Salicylic acid
Selenic acid
Selenious acid
Selenious acid in acetone
Selenious acid salts in acetone
Selenious acid salts in alcohol
Selenious acid salts with ethylenediamine
Selenious acid salts with ethylenediamine in acetone
Selenious acid salts with organic bases
Selenious acid salts with organic bases in acetone
Selenious acid-normalbutylamine
Selenious acid-cyclohexylamine
Selenious acid-ethylenediamine
Selenium compounds
Sodium arsenite
Sodium chloride with fluosulphonates
Sodium chlorobetasulphonate
Sodium chlorodisulphonate
Sodium chlor-2-naphthalenebetadisulphonate
Sodium chlor-2-naphthalenesulphonate
Sodium fluoride
Sodium fluosilicate
Sodium glycocholate
Sodium hydrogen fluoride
Sodium hydrogen sulphate
Sodium isopropylnaphthalenesulphonate
Sodium phenylarsenate
Sodium selenate
Sodium-aluminum fluosilicate
Sodium-2:2′-(betaoxyethoxy)-3:5:3′:5′-tetrachlorotriphenylmethane 2″-sulphonate
Sodium-bis(2-N-butoxy-5-chlor-3-methylphenyl)-5′-chlor-2′-sulphophenylmethane
Sodium-bis(2-N-butoxy-3:5-dichlorophenyl)-4′-chlor-2′-sulphophenylmethane
Sodium-bis(2-N-butoxy-3:5-dichlorophenyl)-5-chlor-2′-sulphophenylmethane
Sodium-bis(2-N-butoxy-3:5-dichlorophenyl)-2′:4′-disulphophenylmethane
Sodium-2:2′-dinormalbutoxy-3:3′-dimethyl-5′:3′-trichlorotriphenylmethane 6″-sulphonate
Sodium-2:5-dinormalbutoxy-3:5:2′:4′:6′-pentachlor-2″-sulphotriphenylmethane
Sodium-2:3′-(dinormalbutoxy-3:5:2′:4′:6′-pentachlor)-4″-sulphotriphenylmethane
Sodium-2:2′-dinormalbutoxy-3:5:2′:4′:6′-pentachlorotriphenylmethane 4″-sulphonate
Sodium-2:5-dinormalbutoxy-3:5:2′:4′:6′-pentachlorotriphenylmethane 2-sulphonate
Sodium-2:2′-dinormalbutoxy-3:5:3′:5′:3″-pentachlorotriphenylmethane 6″-sulphonate
Sodium-2:2′-dinormalbutoxy-3:5:3′:5′-tetrachlorotriphenylmethane
Sodium-2:2′-dinormalbutoxy-3:5:3′:5′-tetrachlorotriphenylmethane 2″-sulphonate
Sodium-bis(5-chlor-2-methoxy-3-methylphenyl)-4′-sulphophenylmethane
Sodium-bis(5-chlor-2-methoxyphenyl)-5′-chlor-2′-sulphophenylmethane
Sodium-2:2′-dialloxy-3:5:3′:5′-tetrachlorotriphenylmethane-2″-sulphonate
Sodium-dibenzoxy-3:5:3′:5′:4″-pentachlor-2″-sulphotriphenylmethane
Sodium-dibenzyloxy-3:5:3′:5′:4″-pentachlorotriphenylmethane-6″-sulphonate
Sodium-bis(3:5-dichlor-2-benzoxyphenyl)-2′-sulphophenylmethane
Sodium-bis(3:5-dichlor-2-betamethoxyethyoxyphenyl)2′-sulphophenylmethane
Sodium-bis(3:5-dichlor-2-N-butoxyphenyl)-2′-sulphophenylmethane
Sodium-bis(3:5-dichlor-2-cyclohexoxyphenyl)-2′-sulphophenylmethane

(To be continued)

Modern Fuel Application in the Paint and Varnish Industry

By W. A. Darrah

President, Continental Industrial Engineers, Inc.

(Continued from February 14 issue)

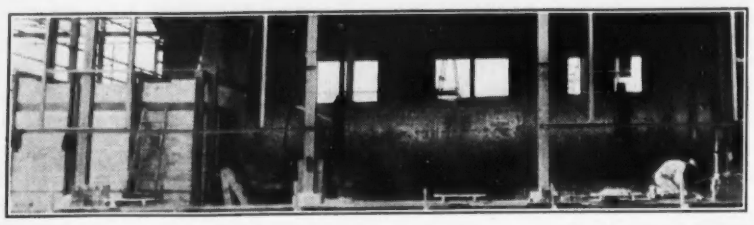
Chemical Applications

Because of the controllability and uniformity of gas it offers an ideal material for carrying on certain reduction processes. Many of these are found in the manufacture of pigments as typified by the reduction of lead pigments and iron pigments. A wide range of colors and stable pigments may be produced by roasting and agitating finely powdered iron oxide in controlled atmospheres. This field constitutes almost an industry in itself.

If the process is carried further reduced iron results, and iron powder coated with thin films of oxides offers another group of colors having a semi-metallic luster.

Formation of the various oxides of lead has been carried on for a long time by the various paint manufacturers and lead producers. A whole range of reds, browns, yellows, and orange are obtainable by roasting lead or lead oxides under controlled atmospheric conditions. Most of these operations are best carried on while the material is strongly agitated as for example in a rotary drum or a rotary table continually stirred by the plows.

By passing gas into fused solutions it is possible to carry on oxidation or reduction processes in connection with the manufacture of intermediates for



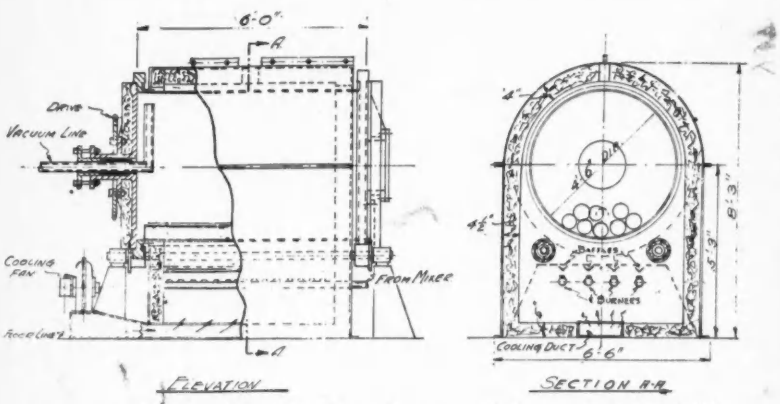
High-Temperature Dryer-Calciner Suitable for Calcining White Pigments

use in production of dyes. This is another field in which some research work is now being directed.

Special Atmosphere Generation

A new field in the paint and varnish industry has recently been opened up by the offering of special gas-generating units designed to consume city gas or natural gas and convert it into special atmospheres having definitely controlled compositions. A typical atmosphere produced by one of these units would consist of 10 to 12 percent of carbon dioxide, 1 to 2 percent of carbon monoxide, no oxygen, no nitric oxide, and the balance largely nitrogen. Occasionally hydrogen is present in a few percent.

A gas of this type is generated by mixing the fuel gas supplied with a controlled amount of air under carefully measured conditions. The mixture of air and gas is then submitted to high temperatures where sulphur compounds, methane, and illuminants are cracked, and the oxygen in the air is combined with the hydrogen and carbon in the fuel gas. Conditions are maintained in the reaction chamber so that oxides of nitrogen if formed are



Pressure Cooker Used in Manufacture of Oxynaphthoic Acid

manufactured by the paint and varnish trade.

A gas of this nature has a surprising number of uses about a paint plant.

Applications of Inert Gas

One common difficulty encountered in all paint and varnish plants is the matter of storage. As storage tanks are filled and emptied in the course of ordinary conditions today, air is allowed to pass into the storage tanks as the paint or varnish is drawn out. This naturally causes a formation of film on top of the paint and frequently a thick, cumulative layer on the inside of the tank. Obviously this condition requires considerable cleaning which is difficult and somewhat hazardous and represents a very appreciable loss of the paint or varnish.

On the other hand, if an inert gas of the type described is arranged to be fed from a storage source into each tank as it is emptied, no scum or skin will form on the top of the paint or varnish and the inside of the varnish storage tank will remain clean almost indefinitely. Progressive manufacturers in this field are rapidly taking advantage of this large saving of labor and material.

Another application of this inert gas is in connection with the field of packages or cans prior to shipment to the trade. The deoxidants are relatively costly, somewhat annoying to handle, and frequently give an objectionable odor to the finished paint. Experiments indicate that it is possible to displace the bulk of the oxygen in the top of the can or container as it is being filled, substituting an inert gas. The advantages of this process are obvious.

In the case of cooking kettles and particularly in the treatment of synthetics it has hitherto been customary to purchase either liquid carbon dioxide or dry ice (solid carbon dioxide).

Comparable Costs

Because of peculiar trade usage dry ice can be purchased at a lower price than the liquefied carbonic gas. Used in large quantities, however, dry ice ordinarily costs around 3 cents per pound, so that a substitution of inert gas produced as we described results in a reduction of over 90 percent in the cost of this one item. In some sizable plants the monthly bill for dry ice will amount to $300 or $400.

It may be roughly figured that the volume of inert gas produced by burning any fuel gas is approximately equal to the sum of the volume of fuel gas plus the volume of air burned, less a constant, which may be about 10 percent in the majority of cases. This constant represents the amount of shrinkage due to condensation of water, partial oxidation of some carbon and miscellaneous other losses in handling.

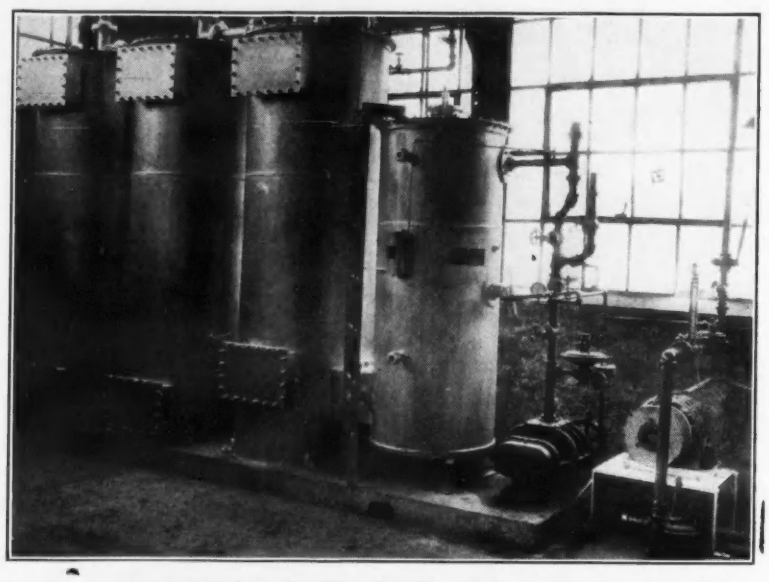
From the above it will be evident that 1,000 cubic-feet of 800 BTU gas will produce roughly 7,000 feet of inert gas.

Extended tests in commercial operation have proved that the inert gas is fully as effective as either solid or liquid carbon dioxide and produces no bad effect whatever.

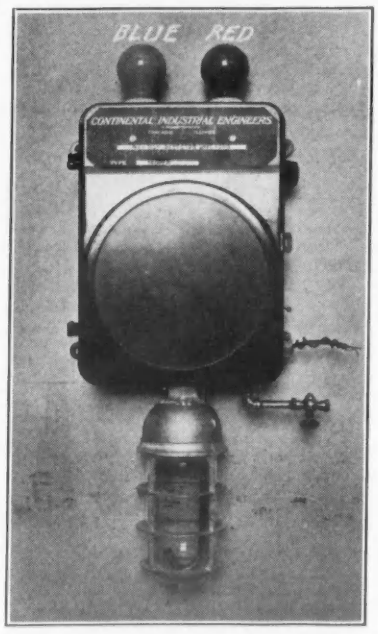
Making White Lead

Another field for the utilization of inert atmosphere is in the manufacturing of white lead. There are various methods of producing white lead, but one of the most effective is to agitate either metallic lead or a lead oxide in a dilute water solution containing acetic acid saturated with carbon dioxide. Under these conditions, including the control of temperature and humidity, lead acetate first is formed, which is converted to a basic carbonate. The basic carbonate, of course, is one of the forms of what is commercially known as white lead.

This process sounds beautifully simple, as, indeed, it is, but there are a great many variables which must be carefully watched, as the size, shape, and nature of the basic carbonate crystals determine the value of the product as a pigment and for other purposes.



Gas Generator with Unit for Blowing Varnish, Protecting Varnish or Paint in Storage, Fighting Fire



Oxygen Detector for Automatically Continuously Checking Inert Gas Supply

Fire Protection

Another very important field to which inert atmospheres are now being applied is in connection with fire protection.

The paint and varnish industry is, of course, one which may be considered in many respects particularly hazardous. Nearly all the oils and resins are highly inflammable when in contact with the oxygen of the air. Practically all these products are harmless and inert, even in the presence of considerable heating if atmospheric oxygen is excluded. The use of inert atmospheres, therefore—these, of course, contain no oxygen and in themselves are non-combustible—offers an ideal means of eliminating many fire hazards.

A layer of inert gas, which is slightly heavier than air, resting on a quantity of varnish or paint will make a fire almost impossible.

Furthermore, this inert gas, if stored in a tank of considerable size under pressure of say 100 pounds per square inch, offers a very positive means of extinguishing fires which may at times occur. The objection to using water for extinguishing varnish or paint or oil fires is well known. A sizable rush of cold inert gas on a flaming mass of oil is a very effective means of checking fire with a minimum of damage. To be effective, the inert gas should be available in very large quantities in short time intervals. This means large storage tanks, large headers, and full-sized, quick-opening valves. The effectiveness of inert atmospheres as a fire protection is largely dependent on having a considerable excess of the atmosphere available as required.

Fume Consumption

The problem of reducing nuisances is one which is becoming more important daily. In the case of a factory located in a residential neighborhood the production of various odors or fumes from manufacturing operations may cause continuous friction with the neighboring householders. In many cases annoying fumes are not dangerous or poisonous, but merely have a distinctive odor, which is objectionable.

Many efforts have been made to absorb various types of fumes and odors by washes, sprays, and other devices. In most cases these attempts are not very successful, and the common recourse is to employ a tall stack which will discharge the fumes so high above the surrounding neighborhood that they are diluted and lost before they settle to the ground. As an alternate to this method it has been found that it is quite possible to construct carefully designed combustion chambers using certain catalysts in such a way that the fumes which are fed through these chambers are oxidized and leave without odor. Fuel gas is the most satisfactory means of heating these combustion chambers.

The amount of gas burned varies, of course, with the volume of air carrying fumes which must be handled. If the operation is not large, the mixture of products of combustion and treated air may be discharged immediately, even without a stack. If the operation

—Continued on page 63

Paint, Varnish, Lacquer Materials

Trade Continues Quiet—Prices Still Show Easing Tendency—Naval Stores Easier—Long-Term View Regarded Hopefully —Rail Rate Decision Awaited

Chemicals used in the manufacture of surface coatings remained quiet. The week's turnover was small and was constituted almost wholly by orders for immediate needs. Pigment grinding was held within narrow limits and apparently the paint manufacturers were not yet disposed to go ahead with manufacturing operations for Spring business.

The indications that the Administration may take some action to halt the decline of commodity values did not find a sensitive target in this group of find any immediate response in this group of materials. There were no advances and few price movements of the week were in a downward direction. Lower prices for domestic casein No. 1 Singapore dammar gum and pale bold Hiroe Macassar gum, film scrap and quicksilver vermilion were included among the week's movements.

Southern and local markets for naval stores were quiet last week and the tone was easy, the trend of prices being downward at times. Purchasing of both rosin and turpentine by domestic consumers was generally limited to small lots to fill current needs. The export movement continued disappointing. Receipts in primary markets showed a further shrinkage.

While there is universal gloom over the present state of business, the long term view appears a little more hopeful to the operators in this market. The Administration's inflationary move last week—mild as it was—should broaden the credit base and the excess reserves of the nation's banks should flow more freely to the loan market. Locally, some of the banks are reported to have been sounding out builders about Spring loans. Whether this is a result of the inflationary character of the gold desterilization movement or perhaps more of a willingness to cooperate under the new FHA set-up, the banks here seem a little more anxious to get some money out into building loans.

Many buyers are hesitant to enter into long term commitments pending the decision on the proposed increase in rail freights.

Construction contracts in 37 Eastern states during January amounted to $195,472,000 against $209,452,000 for December and $242,719,000 for January, 1937, according to the Dodge reports. January's residential construction amounted to $36,207,000.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Casein, dom., ¾c. per lb.
Gum, copal, E.I., Hiroe Macassar, pale bold, ⅞c. per lb.
dammar, Singapore, No. 1, ¾c. per lb.
Film scrap, 2c. per lb.
Red, vermilion, quicksilver, 5c. per lb.
Rosin, gum, 25c. to 75c. per 280 lbs.
Rosin, wood, 50c. to 55c. per 280 lbs.
Turpentine, wood, 2c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
131.6	131.6	131.6	132.7

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

Lead prices were unchanged last week at 4.35c. per pound East St. Louis and 4.50c. to 4.75c. per pound, New York. There was very little purchasing interest until the final two days of the week when buying picked up encouragingly. Lead is considered "cheap" at the current price level and the buying move in the final part of the week might have been caused by the President's declaration of price policy on commodities which was issued Friday.

Zinc was also unchanged in price. The quotation at East St. Louis was 4¾c. per pound. The buyers of zinc did not share the opinions of the lead buyers and the market merely dragged along through the week.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from February 12 to February 18, inclusive, were as follows:—

	Pigs: Per pound New York.	Per pound E. St. Louis.	Spot. London. Per ton £	s.	d.
Saturday	*	*	..	..	..
Monday	$0.0450@.0475	$0.0435	14	13	9
Tuesday	.0450@.0475	.0435	15	2	6
Wednesday	.0450@.0475	.0435	15	2	6
Thursday	.0450@.0455	.0435	15	8	9
Friday	.0450@.0475	.0435	15	10	0

* Holiday.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from February 12 to February 18, inclusive, were as follows:—

	Slabs: Per pound New York.	Per pound E. St. Louis.	Spot. London. Per ton £	s.	d.
Saturday	*	*	..	..	..
Monday	$0.0510	$0.0475	13	11	3
Tuesday	.0510	.0475	13	16	3
Wednesday	.0510	.0475	13	18	9
Thursday	.0510	.0475	14	2	6
Friday	.0510	.0475	14	10	0

* Holiday.

Pigments

The ordering of supplies of opaque pigments against contracts continued at a very low rate. Apparently, the paint manufacturers were not anticipating their Spring needs by much and grinding operations were being held to a minimum. Buyers outside of the paint trade were also taking deliveries in slow fashion. The lead market did not decline further last week and the prices for derivative oxides held at the reduced levels established a week ago.

White Lead.—The preceding week's declines in pig lead prices did not have any outward effect upon the position of lead sulphate or basic lead carbonate. Metal prices continued without further change last week. Dry lead sales were quite small and the consuming manufacturers showed no disposition to grind ahead for Spring needs.

Red Lead.—Prices for car lots and l.c.l. quantities remained at the levels that were established February 10 when the prices were cut ¼c. per pound. Pig lead values were not altered during the week under review. The paint trade, battery makers and other buyers did not evidence much of a need for stocks and the market was very quiet.

Litharge.—The position of this material was allied with that of other lead oxides. Prices, which were reduced a week ago, were unchanged last week. There was not much of a demand noticeable in the market and things have been quite slow since the spurt that took place for a few days after the beginning of the new year.

Lithopone.—Although the calls for deliveries out of the Middle Western manufacturing plants were reported to have been somewhat more active than the demands against Eastern plants, there was not much activity at either source. Makers of flat goods were not ordering beyond their immediate needs and there was not much sign of manufacturing for Spring business. Prices continued at the levels that have been in force since last June.

Titanium Pigments.—Trade during the year to date was considerably smaller than that of the same months of 1937 but there has been some improvement over the volume done during the closing weeks of that year. Prices for titanium dioxide and the compound pigments continued at schedule.

Zinc Oxides.—Delivery orders received by sellers from the paint and rubber trades did not show improvement. Linoleum makers were also light buyers. The aggregate movement of lead-free and leaded oxides into con-

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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sumption during the past six weeks was far behind the consumption movement during the same period of 1936. Prices continued unchanged and the recent declines of lead values did not have any open effect upon the position of leaded oxides.

Fillers and Extenders

Inert pigments and extender products were also bought sparingly by the makers of surface coatings and other consumers. There were no changes in price at the several mill points. Sellers of these materials were unable to interest the buyers in making any long term commitments, principally because of the impending possibility of another increase in freight rates.

Barytes.—Domestic material continued in an unchanged position. Sellers of the Missouri-mined product have not altered quotations for some time and the suppliers of Southern off-color material also quoted the prices that have been in effect for some time back.

China Clay.—Producers of the wet-ground article advised that there has been no change in the selling schedule during recent weeks.

Metronite.—The Middle Western producer reported that the prices that have been in force for some while were still quoted.

Talc.—Some of the sellers of the fibrous grade milled in New York state reported that the prices at mill points have not been altered for some time. Trade was slow.

Dry Colors

The color market exhibited the same type of dullness that was shown in the market for white pigments and inerts. Paint, ink and rubber products manufacturers were not very active in ordering out deliveries against their contracts. Most of the week's business was constituted by small-sized orders, evidently to be used for prompt needs.

Acetylene Black. — This material, which is used principally by the battery makers, was priced at 14c. per pound, in car lots, f.o.b. the producing point, duty paid.

Carbon Black.—The tire makers' demands for standard grade black has fallen off again and deliveries into the Akron district during the past week were smaller than they were earlier in the month. There has been no change in the price of the standard grade black for domestic delivery since January 12. As reported previously, the export prices were lowered ¾c. per pound this month.

Chrome Colors.—The market held a steady position and prices for yellows and other chromates were not affected by the recent precipitation of prices for metallic lead.

Iron Blues.—The sellers continued to quote the market in an unchanged position at 37c. per pound for spot business. Contracts were based at 36c. per pound.

Lamp Black.—Suppliers reported that there had been no change on the price side of the market. The demands have been small during recent weeks.

Vermilion.—The quicksilver derivative was lowered 5c. per pound last week. Large lots were now priced at $1.50 per pound while the smaller quantities ranged from $1.51 to $1.59 per pound.

Yellow Lithopone.—Cadmium yellow lithopone continued at 56c. per pound for barrel lots and 61c. per pound for keg. Single shipments of a ton or more were 5c. per pound cheaper on either packing.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Varnish Gums

The tendency of replacement market prices for natural gums was still downward albeit last week's price movements were not so numerous as those of a week ago. The declines last week embraced No. 1 Singapore dammar and pale bold Hiroe Macassar East India gum. Cable reports from Singapore indicated that supplies there were very small.

Copals.—The only change in the position of the replacement market last week was a ⅞c. per pound decline in the price of Hiroe Macassar pale bold East India gum, which was lowered to the basis of 12⅛c. per pound for car lot amounts. The usual differentials for smaller quantities were in force.

Dammars.—Cable quotations on No. 1 Singapore grade for shipment from the replacement market were lower last week. The price for this grade was cut ⅜c. per pound to the basis of 19¼c. per pound for car lots with the usual differentials quoted for smaller quantities.

Synthetic Resins

The ester gum market was not favored with much in the way of buying activity but the price side of the market was steady at the levels that were established a few weeks back. The current schedule is based at 8¼c. per pound, a price that applies for 75,000 contracts or single shipments of 10,000 pounds in New England and some of the Middle Atlantic states.

Naval Stores

Southern and local markets for rosin and turpentine remained quiet last week. There were reports at times of a fair tankcar movement of turpentine in the South but the daily transactions reported in official records from Savannah and Jacksonville were small, this applying to rosin as well as turpentine. The trend of quotations in primary markets was downward at times and the news in general from Southern markets was of a kind to make consumers and dealers here disposed to adhere in many cases to a waiting attitude, especially as developments at Washington were of a kind to create fresh uncertainty concerning financial and other legislation of importance.

Statistical news from the South was of a favorable character from the viewpoint of sellers. There was a further shrinkage in the movement of supplies from the woods to primary points, strengthening the impression that marketing during the remainder of the current naval stores season will be very small. As to production during the coming season, it was contended by some that unless prices advance considerably above the present level, the output next season may show a decrease as compared with the current season.

Despite the quietness of trade and the downward trend of prices at times, underlying sentiment in some circles was rather more optimistic concerning the outlook. This was apparently traceable in some measure to a report that the government holdings of turpentine that have been hanging over the market for some time past are to be sold through prominent dealers in the South in such a manner as to prevent any depressing effects upon the primary markets. It was pointed out that the removal of the uncertainty that has prevailed for a considerable period as to the disposal of this turpentine will be likely to have a favorable influence upon sentiment in all branches of the trade.

According to the official announcement from Washington concerning the sale of government-owned turpentine, amounting to slightly less than 45,000 barrels, the holdings will be merged with commercial visible supplies and sold by regular distributors at market prices in the ratio of 80-20 to April 1, and 90-10 to the end of 1938. This means that every sale of turpentine made by the cooperating dealers will include a percentage of the government-owned stocks. The government is guaranteed a fair market price and it is stipulated that in case of a price decline the government will have an option of refusing to sell.

Turpentine. — Quiet conditions continued to prevail in the local market. Nothing stimulating was received from primary centers, and with uncertainty still prevailing concerning political af-

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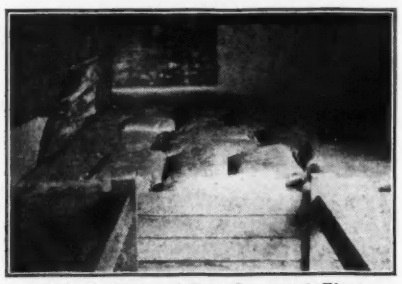

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fairs, consumers and dealers were disposed to limit their takings to small lots to fill current needs. Receipts in Southern markets continued light.

SAVANNAH, Feb. 18.—A steady tone prevailed in the market for turpentine. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
*Saturday..	..	...	...	...	.....
Monday.....	25	58	16	97	26,708
Tuesday....	25	2	331	158	26,881
Wednesday..	25¼	25	40	115	26,806
Thursday ..	25½	43	54	10	26,850
Friday	26	10	12	648	26,214

* Market closed.

JACKSONVILLE, Feb. 18.—The turpentine market was quiet and steady. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
*Saturday..	..	...	...	...	.....
Monday.....	25	31	109	680	7,764
Tuesday....	25	...	30	...	7,794
Wednesday..	25	...	17	...	7,811
Thursday ..	25½	...	24	21	7,835
Friday	26	25	1	20	7,816

* Market closed.

PENSACOLA, Feb. 12.—The turpentine market was steady. Receipts were light. Following is a record of the market for the week:—

	Barrels Re-ceipts.	Ship-ments.	Stocks.
Monday	20	455	26,585
Tuesday	...	130	26,455
Wednesday	5	...	26,460
Thursday	52	...	26,512
Friday	23	162	26,373
Saturday	21	...	26,394

CHICAGO, Feb. 18.—Trade in turpentine is slow, and buyers are not anxious to commit themselves, in either the wholesale or the retail divisions. Ruling prices at the close of business last night were:—Five-drum lots, 35c. per gallon; five wood barrels, 40c.; single drums, 38c.; single barrels, 42c.

LONDON, Feb. 18.—Quotations on turpentine were as follows:—

	Per cwt. in bbls. s.	d.
Saturday	32	0
Monday	32	0
Tuesday	31	6
Wednesday	31	6
Thursday	31	6
Friday	31	6

Stocks of American turpentine in London were:—

	Feb. 18.	Previous week.	Last year.
Barrels	35,634	37,037	19,200

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Rosin.—Prices here had a downward trend at times, the easier tone being a reflection of developments in the South where quotations on various grades weakened in the absence of any improvement in demand, purchasing by domestic and foreign interests being limited to unimportant quantities. The movement from the interior to the seaboard continued small.

SAVANNAH, Feb. 18.—The rosin market had a firm undertone. Following is a record of the market for the week:—

	Price per unit—Low of range quoted *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$4.00	$3.90	$3.75	$3.75	$3.75
D	...	4.00	3.90	3.75	3.75	3.75
E	...	4.10	4.00	3.90	3.75	3.75
F	...	5.05	4.90	4.75	4.70	4.75
G	...	5.40	5.15	4.90	4.90	4.95
H	...	5.50	5.20	5.00	5.00	5.00
I	...	5.50	5.20	5.00	5.00	5.05
K	...	5.60	5.35	5.10	5.10	5.15
M	...	5.70	5.45	5.25	5.30	5.30
N	...	5.80	5.80	5.40	5.45	5.25
WG	...	7.00	7.00	6.65	6.85	6.70
WW	...	7.40	7.40	7.10	7.10	7.10
X	...	7.40	7.40	7.10	7.10	7.10
		Barrels				
Sales	...	192	155	210	164	187
Receipts...	...	616	697	391	872	297
Shipments.	...	204	897	25	473	2,651
Stocks ...	...	76,502	76,302	76,668	77,067	74,813

* Market closed.

JACKSONVILLE, Feb. 18.—Price movements in the rosin market were moderate. Following is a record of the market for the week:—

	Price per unit—Low of range quoted *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$4.10	$3.90	$3.75	$3.75	$3.75
D	...	4.15	4.02½	3.75	3.75	3.75
E	...	4.25	4.25	3.90	3.75	3.75
F	...	5.30	4.80	4.75	4.70	4.75
G	...	5.40	5.15	4.90	4.90	4.95
H	...	5.50	5.20	5.00	5.00	5.00
I	...	5.50	5.20	5.00	5.00	5.05
K	...	5.60	5.35	5.10	5.10	5.15
M	...	5.70	5.45	5.25	5.25	5.30
N	...	5.80	5.50	5.40	5.40	5.40
WG	...	7.00	7.00	7.00	6.65	6.85
WW	...	7.40	7.40	7.40	7.10	7.10
X	...	7.40	7.40	7.40	7.10	7.10
		Barrels				
Sales	...	127	108	88	83	82
Receipts...	...	670	89	135	216	245
Shipments.	...	4,390	...	78	225	1,732
Stocks ...	...	57,040	57,129	57,186	57,177	55,690

* Market closed.

PENSACOLA, Feb. 12.—The rosin market was quiet. Following is a record of the market for the week:—

	Barrels Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts..	87	59	33	158	75	35
Shipments	231	100	...	100	1	...
Stocks ..	21,854	21,813	21,846	21,904	21,978	22,013

CHICAGO, Feb. 18.—Prices for rosin have tended to ease off, and at present

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levels are making a poor comparison with those ruling some time ago. Buyers are not being attracted. Ruling prices at the close of business last night were:—B grade, $6.75 per lot of 280 pounds; G grade, $7.90; M grade, $8.25; W. W. grade, $10.10.

LONDON, Feb. 18.—Quotations on American rosin were as follows:—

	Per cwt. in barrels—Common.		W.W.	
	s.	d.	s.	d.
Saturday	15	0	19	0
Monday	15	0	19	0
Tuesday	14	4½	18	3
Wednesday	14	4½	18	3
Thursday	14	4½	18	3
Friday	14	4½	18	3

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Aniline Point	-21°C.	-15°C.	-12½°C.

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Pine Oil.—The situation continued to be featured by a firm tone and a fair movement into consuming channels, although new orders, as in recent preceding weeks, were received in a rather limited volume.

Pitch. — Quotations were generally maintained at previous levels by local interests and the tone of the market appeared to be firm. Business continued along conservative lines.

Rosin Oil.—A steady tone prevailed here in the absence of any material change in the primary position of basic material. Buying interest was apparently limited to unimportant quantities.

Tar.—The market retained a steady tone. There was a fair inquiry although consumers were not inclined to anticipate to any extent.

Shellac

Reports concerning business in the local shellac market indicated a slight improvement in business. While no marked expansion in request developed during the period under review, there was some gain in sales. Also, sentiment in the trade showed improvement and the general situation was an improvement over that prevalent in recent periods.

Pricewise, the market was possibly a shade firmer in the foreign sources of supply but on the spot there was a lack of new developments. Quotations were fairly steady on the whole, this being probably caused by the fact that local values were fairly well in line with replacement costs.

Advices from abroad indicated that the prospect for the Bysacki crop were considered to be good. However, informed quarters on spot are usually loath this early in the year to take at full value any reports concerning the prospect for that crop. The tendency is to await possible developments between now and the middle of March.

Calcutta, Feb. 18.—Shellac quotations, on the landed New York basis, ex dock net cash, were as follows:—

	Per pound—Feb. 18.	Feb. 11.
February	10½c.	10⅝c.

Day-to-day quotations were as follows:—

	Per pound.
February 11	10⅝c.
February 12	Holiday
February 14	10⅝c.
February 15	10⅝c.
February 16	10⅝c.
February 17	10½c.
February 18	10½c.

London, Feb. 18.—Prices quoted on pure T. N. shellac, basis of sterling exchange at $4.88, were as follows:—

	February 18—Shillings. Cwt.	Cents. lb.	February 11—Shillings. Cwt.	Cents. lb.
March	42	9.1	40	8.7
May	43	9.3	41	8.9

Day-to-day prices were as follows:—

	Per hundredweight—March.	May.
February 11	40s	41s
February 12	Holiday	
February 14	40s	41s
February 15	41s	42s
February 16	42s	43s
February 17	42s	43s
February 18	42s	43s

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Lacquer Materials

The market for lacquer materials continued spotty during the week just ended. Film scrap was reduced 2c. per pound, f.o.b., Burbank. Acetone was in moderate demand. The call for ethyl acetate was fair at times. Butyl acetate was firm, with routine consumers making commitments for immediate requirements only. An improvement was noted in automobile production last week, which was estimated at 57,810 units, compared with 51,443 units in the preceding period and 74,145 units in the corresponding week a year ago.

Acetone.—A moderate call was uncovered during the week just ended. Sellers reported quotations were steady to firm at previous levels.

Butyl Acetate.—This market was a routine affair last week. Usual consumers were making commitments for immediate requirements only. Prices were unaltered.

Ethyl Acetate.—The call was fair at times during the week under review. Quotations ruled steady to firm, and were unchanged from the preceding week.

Film Scrap.—Prices were reduced 2c. per pound. Dark colors, 1,000 pounds or more, 12½c., f.o.b. Burbank. The market was dull, but stocks are below normal in view of the slack picture production period, and the situation should correct itself in the near future.

Tricresyl Phosphate. — A firm tone continued to govern the dealings throughout the week just ended. The call was fair at times.

Driers

The stearic acid market held without change and the position of the derivative stearates was also unchanged. The manufacturers of stearates reported a slow and draggy movement against contracts.

Glues and Binders

Casein.—The domestic product was lowered to 9c. per pound for 20-30 mesh in car lots delivered and was not overly strong at that basis. The 80-100 mesh was now 9½c. per pound. The quotations were ¾c. per pound off from a week ago. There was a little pick-up in consumption during the week, but it was all for spot needs and there was no forward buying. Reports from the Far West indicated that heavy production had started there.

Glues.—The market was very quiet last week. Ordering is limited to spot and nearby needs and there was very little of that. Prices leaned toward the softer side of the market.

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Howard Doggett, of Stanley Doggett, Inc., colors, this city, is on an extended trip through the South and expects to return to his desk about March 1.

Oils, Fats, and Waxes

Cottonseed Oil More Active and Prices in Upward Trend—Menhaden And Sardine Oils Again Advanced by Refiners—Soybean Oil Stronger—Chinawood Oil Quiet and Easier

Miscellaneous oils, fats and greases were more active last week. Much of the purchasing was still along rather narrow lines as many consumers were still disinclined for one reason or another to provide to any material extent for future requirements. Orders for small or moderate quantities of various commodities were received in an increased volume, however, and in some instances the movement of such lots in the aggregate showed a noticeable gain as compared with recent preceding periods. The improvement in business was reflected in trade sentiment regarding the outlook especially as cottonseed oil was still in upward trend here and in Southern markets, while hogs and lard displayed strength at times.

Chinawood oil was quiet and offerings were noted on spot at concessions. Oiticica oil was easier in sympathy Copra and coconut oil were weaker. Crude corn and peanut oils were stronger in company with cottonseed oil. Soybeans were weaker but the market for soybean oils was firmer. Menhaden and sardine oils were advanced by refiners, the strength of the market being traceable to the high cost and smallness of supplies of crude oil. Lard compound was advanced by makers. Higher prices were quoted for oleo stearin. Lard, neatsfoot and tallow oils were available at lower prices. The tone of the tallow market appeared to be steadier.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Corn oil, crude, ⅛c. per lb.
Cottonseed oil, crude, ⅛c. per lb.
Cottonseed oil, edible, ¼c. per lb.
Lard, 5c. to 25c. per 100 lbs.
Lard compound, 25c. per 100 lbs.
Menhaden oil, refined, 6-10c. per lb.
Peanut oil, crude, ¼c. per lb.
Sardine oil, refined, 6-10c. per lb.
Soybean oil, 4-10c. per lb.
Stearin, ¼c. per lb.

Reduced

Chinawood oil, ¼c. per lb.
Coconut oil, crude, ⅛c. per lb.
Copra, 1-20c. per lb.
Lard oil, ¼c. to ½c. per lb.
Linseed cake, $1 per ton.
Linseed meal, $1 per ton.
Neatsfoot oil, ½c. per lb.
Oiticica oil, ¼c. per lb.
Palm oil, ¼c. per lb.
Tallow oil, ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
120.2	119.8	120.4	154.8

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Babassu.—Quotations were unchanged but as in recent preceding weeks the market here was merely a nominal affair. Importations of kernels have been very light for some time past and crushers were not in a position to offer oil.

Chinawood.—An easier tone developed, this apparently being due to a lack of demand of consequence rather than to any change in the situation abroad. Few inquiries were received here and there were offerings at concessions, quotations for oil in tanks ranging from 14½c. to 14¾c. per pound on spot as compared with 15c. in the previous week. Quotations on futures with delivery guaranteed were about in line with those prevailing for spot oil although there were rumors of offerings at lower prices on a when-and-if-shipped basis.

Coconut.—Crude oil was easier in the local market and there were also reports of offerings of resale oil on the Coast at small concessions. Here 3¾c. per pound was quoted for tankcars. The easier situation was attributed to sluggishness of business and recent shading of quotations on copra. Occasional inquiries were received, but actual business was limited to small lots for prompt shipment, the aggregate movement of such quantities being unimportant. Refined oil was quiet and steady.

Corn.—Crude oil was firmer, the tone of the market being influenced by an upward trend in competing product. Prices were generally ¼c. higher, with offerings still light in all positions. Refined oil was in fair demand and firm.

Cottonseed.—Edible oil was firmer, prices being advanced ⅛c. per pound by refiners. There was a somewhat better inquiry. Reports were current of sales of Brazilian semi-refined oil early in the week at 4.45c. per pound, c.i.f., but later on quotations were about ½c. higher.

Oiticica.—The market had an easier tone, owing to the reaction in chinawood oil. Quotations were shaded ¼c., but offerings continued light on spot and for shipment.

Peanut.—A firmer tone prevailed in Southern markets for crude oil, the trend of quotations being upward in some sections in company with competing product. Offerings were light on the rise and quotations appeared to be mainly nominal.

Perilla.—Quotations on spot oil were generally held at previous levels. The inquiry was light, but supplies on spot appeared to be small, and there was little change reported in the situation abroad.

Rapeseed.—Demand was slow, but supplies on spot were reported as light and replacement costs remained high. Prices were stationary.

Soybean.—A firm tone prevailed, quotations being advanced 4/10c. per pound by one producer. The market was quiet so far as new business was concerned, but there was a fairly steady movement into consuming channels on contracts.

Markets at Other Centers

Chicago, Feb. 18.—The general vegetable oil market has been slow and not greatly changed.

COCONUT.—Crude, 3⅜c. to 3½c. per pound, partly nominal, Coast basis. Refined, edible oil, 9¾c. to 10c. per pound, car lots; and 10¼c. to 10½c., barrels, less than car lots.

CORN.—Crude, low acid, 7⅜c. to 7½c. per pound, partly nominal. Refined, edible oil, 9½c. to 9¾c. per pound, car lots; and 10c. to 10¼c., barrels, less than car lots.

SOYBEAN.—Crude, mills, 6⅛c. to 6¼c. per pound.

The market for soybeans on the Chicago Board of Trade had an easier tone, the trend of prices being downward at times under freer offerings as a result of weakness in grain. The decline in cereals led to liquidation through commission houses for account of recent buyers. Offerings of cash beans also showed some increase. Later in the week the tone was stronger on buying of May by commission houses. An upturn in some other commodities was followed by a decrease in offerings of cash beans and future contracts. Receipts at some points were lighter, the decrease in marketing being attributed to the decline in prices. Arrivals here during the week ended February 12 were 67,000 bushels against 84,000 in the previous week and 103,000 bushels last year. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing Feb. 18.	Closing Feb. 11.
Cash	$1.04	$1.03½	$1.03¾	$1.04
May	1.05⅜	1.02⅝	1.05⅜	1.05
July	1.03¾	1.01¼	1.03¾	1.03½

London, Feb. 10.—Soybean oil, British, crude, 23s. 9d., per hundredweight, palm kernel oil, refined, 29s.; rapeseed oil, crude extracted, 35s.; coconut oil, Ceylon, 21s. 3d.; peanut oil, Bombay crude 24s.; sardine oil, 16s. 9d.; whale oil crude, 17s.

Linseed Oil

Changes in flaxseed futures generally moderate. Linseed oil steady. Cake and meal lower.

Flaxseed—DULUTH, Feb. 18.—So dull has been the flax market at this point that when one carload of flax was sold at $2.06½ a bushel last Tuesday it was the subject of considerable remark. Not one bushel of flax moved either way for many days, and there is nothing to indicate a change for some time. This season of each year is marked by extreme dullness, but as the navigation season approaches, a change begins.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

The week's closing price range was as follows:—

	Cash.	May.	July.
*Saturday	....	....	....
Monday	$2.15½	$2.04	$2.04
Tuesday	2.05½	2.02	2.02
Wednesday	2.02	2.02	2.02
Thursday	2.02½	2.02½	2.02½
Friday	2.03	2.03	2.03

* Holiday.

Crop movement in bushels follows:—

	Receipts— 1938.	1937.	Shipments— 1938.	1937.
This week..	....	....	....	....
Since Aug. 1....	694,267	1,023,453	1,124,966	672,276

MINNEAPOLIS, Feb. 18.—Cash flax prices tumbled sharply during the past week because of the slow linseed oil trade

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of the past month and more. The leading buyer dropped out of the market a week ago and other buyers waited until premiums were sharply lower before they took hold. Currently there is a good demand for plump flax, but the market for thin stuff is slow and elevator companies are beginning to pick up offers because of crusher indifference.

A two-day holiday period resulted in fair receipts on Monday, but today nothing was reported in. Daily receipts promise to be thin in the near future because of limited farm deliveries, although today saw the best hedging operations of a week or more. Receipts to date and government crop estimates indicate that the bulk of the marketable surplus has been taken care of and only small terminal arrivals are likely for the balance of the season.

Another snowstorm swept over the northwest this week and promised to amplify the supply of moisture for spring sowing and germination. A slow rise in temperatures is desired in order to keep water from running off too rapidly for best results.

The week's closing price range was as follows:—

	Cash.	May.	July.
*Saturday	...	...	...
Monday	$2.13½	$2.07½	$2.04½
Tuesday	2.11½	2.05½	2.02
Wednesday	2.10½	2.05½	2.02½
Thursday	2.10½	2.05½	2.02½
Friday	2.11	2.06	2.03

* Holiday.

Crop movement in bushels as follows:—

	Receipts— 1938.	1937.	Shipments— 1938.	1937.
This week..	27,300	61,280	10,440	8,000
Since Sept. 1...	3,288,390	2,174,200	629,050	387,700

WINNIPEG, Feb. 18.—The flaxseed market was quiet. Receipts and offerings were light. The week's closing range was as follows:—

	Cash.	May.	July.
Saturday	$1.73½	$1.75½	$1.75⅝
Monday	1.74	1.76	1.75¾
Tuesday	1.73	1.75	1.74½
Wednesday	1.72⅞	1.74⅞	1.74⅛
Thursday	1.73½	1.75½	1.75
Friday	1.73¾	1.75¾	1.74⅞

This machine will fill tubes up to 1 in. x 5½ in. with any material ordinarily put in collapsible tubes. One turn of the handle puts the correct quantity in each tube. Larger tubes can be filled by adjusting the screw "C" for half the quantity desired and making two turns of the handle.

The nozzle "A" is made to suit tubes of different diameter and length. Special nozzles can be furnished for filling cans, jars or bottles.

ARTHUR COLTON CO.
2624 E. Jefferson Av., Detroit, Michigan

BUENOS AIRES, Feb. 18.—Opening prices per bushel on February contracts were:—

	Last week.	Last year.
Saturday	$1.33½	$1.18
Monday	1.33½	1.17⅞
Tuesday	1.33	1.17½
Wednesday	1.32¼	1.18
Thursday	1.33¾	1.18⅜
Friday	1.33⅜	1.17¾

Exports

To—	Bushels— Last week.	Previous week.	Last year.
United States	843,000	217,000	504,000
United Kingdom	71,000	98,000	71,000
Continent	602,000	862,000	598,000
Orders	130,000	217,000	398,000
Others	.....	.....	.....
Totals	1,646,000	1,394,000	1,571,000

Since January 1

To—	Bushels— This year.	Last year.
United States	3,478,000	5,941,000
United Kingdom	515,000	271,000
Continent	5,362,000	3,130,000
Orders	3,162,000	4,732,000
Others	51,000	306,000
Totals	12,568,000	14,380,000

Visible Supply

	Bushels.
Last week	6,870,000
Previous week	6,890,000
Last year	6,299,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Bushels— Last week.	Previous week.	Last year.
United Kingdom	4,000	256,000	52,000
Continent	20,000	.....	.....
Others	.....	24,000	4,000
Totals	24,000	280,000	56,000

Since April 1—	Bushels— This year	Last year.
United Kingdom	6,993,000	8,616,000
Continent	288,000	996,000
Others	1,124,000	676,000
Totals	8,405,000	10,288,000

HULL, Feb. 18.—Quotations on flaxseed were:—

	Per ton— La Plata.	Bombay.
Saturday	£12½	£14⅜
Monday	12½	14⅜
Tuesday	12½	14¼
Wednesday	12⅜	14⅛
Thursday	12¼	14¼
Friday	12¼	14¼

Linseed Oil.—Trade here continued quiet last week and the market still appeared to have an easy undertone, although quotations were generally maintained by crushers at the levels prevailing at the close of the previous week. Not only was new business slow, but withdrawals on unfilled contracts were also light. Similar conditions were reported in advices from outside centers.

Fluctuations in flaxseed futures were generally within moderate limits last week but cash prices at Minneapolis broke sharply owing to lack of demand, crushers being inclined to withdraw from the market in the absence of any improvement in trade in linseed oil.

Receipts of flaxseed in Northwestern markets were light and there seemed to be little likelihood of any expansion in the movement in the near future in view of the decline in cash seed prices and the smallness of unsold supplies on the farms. Prospects for the new crop were regarded as more favorable, additional moisture being received in sections where needed.

Receipts of flaxseed at New York last week were 784,904 bushels.

There was no trading in linseed oil futures on the New York Produce Exchanges from February 14 to February 18, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
March	...	...	8.60@9.10
May	...	...	8.60@9.10

MINNEAPOLIS, Feb. 18.—Linseed oil shipping instructions were better, perhaps the best since the turn of the year. There was a little more inquiry for small lots for nearby shipment and a few sales of cooperage car lots. No interest was displayed in tankcar or round lots for any shipment, despite a fairly good price decline.

Mills are still operating at about 20 percent of capacity and are not apt to increase as there is plenty of oil on hand and the by-product situation is not as pressing as it has been. Today most of the crushers were well caught up with their meal contracts and had little excuse to further their output of either oil or meal.

Quotations on carload lots, f.o.b. Minneapolis, cooperage, 10.3c. per pound; tankcar lots, 9.7c., and warehouse lots, 10.c. per pound.

Shipments of oil in pounds were as follows:—

	1938.	1937.
This week	613,078	1,628,449
Since Sept. 1	26,279,542	27,962,986

CHICAGO, Feb. 18.—Purchases of linseed oil are mostly in small quantities for prompt shipment. Ruling prices are:—Tankcar, 9.7c. per pound; car lots, 10.3c.; less than car lots 10.7c.

LONDON, Feb. 18.—Quotations on linseed oil were:—

	Per cwt. s.	d.
Saturday	26	7½
Monday	26	7½
Tuesday	26	9
Wednesday	26	9
Thursday	27	3
Friday	27	3

Cake and Meal.—The market had an easier tone in the absence of any improvement in trade. Quotations were reduced $1 per ton. There was a fair export inquiry for cake, transactions being limited to moderate lots.

MINNEAPOLIS, Feb. 18.—Demand for meal is sluggish at the moment and prices show a tendency to ease. Crushers are well caught up with old business and are expected soon to have fresh lots to offer for immediate and early shipment. At least this is the expectation of the buying trade. On the other hand the crushers are apt to replenish floor stocks to a partial degree if they see any decline of values in sight. Pressure is not expected to show important force during the immediate future.

Quotations on carload lots, f.o.b. Minneapolis, 100-pound sacks, $42 to $42.50 per ton.

Shipments of meal in pounds were as follows:—

	1938.	1937.
This week	1,387,400	2,012,785
Since Sept. 1	93,374,595	51,443,065

CHICAGO, Feb. 18.—Some of the linseed meal buying is less urgent than formerly, but a fair volume of material is reported still moving. Resellers are offering limited amounts. Ruling prices are:—Round lots, $42 to $43 per ton, largely nominal; car lots, $43; less than car lots, $45 to $45.50.

Cottonseed Oil

Refined cottonseed oil futures had an upward trend. Trading more active. Southern markets for cottonseed products generally firm.

Cottonseed Oil.—Tradng in refined oil futures was more active and the trend of prices was mainly upward although there was some irregularity at times on liquidation by recent buyers. Speculative interest on the long side was stimulated, however, by the prospects of a material curtailment of cotton production during the coming season and also by inflationary talk from Washington and elsewhere Bullish sentiment was strengthened, too, by advances in hogs and lard, following earlier weakness and irregularity, as well as by an improved tone in the financial quarter.

Southern markets for cottonseed products were firm. Crude oil was ⅛c. to ¼c. higher, with offerings generally light. Seed remained firm. The movement of seed to the mills was said to be light and diminishing. Vegetable products which compete with cottonseed oil were in upward trend in some cases, and supplies of such commodities were said to be small. Marketing of hogs continued on a moderate scale. Arrivals of hogs in the principal Western centers for three days of the week aggregated 191,200 head against 205,300 head for the same time last year.

The weight of the hogs received in Chicago during the week ended February 12 averaged 250 pounds against 242 pounds in the previous week and 237 pounds in the same week last year. Stocks of lard in Chicago increased 9,629,456 pounds during the first half of February against an increase of only 2,447,156 pounds in the same time last year. Stocks there on February 14, however, were much smaller than a year ago, amounting to 51,494,501 pounds against 102,163,000 pounds.

Lard compound met with a somewhat better demand and the market was firmer, prices being advanced ¼c. by some makers. Domestc and export trade in cash lard was fairly active. The exports of lard from Atlantic and Gulf ports from November 1 last to February 12 were 56,412,685 pounds against 34,665,046 pounds in the corresponding period last season. Although the disappearance of cottonseed oil during January was smaller than many in the trade expected, the indications still point to a heavy consumption in the manufacture of margarin. In December, according to official statistics, nearly 19,000,000 pounds of cottonseed oil were consumed by margarin makers, or about 6,250,000 pounds more than in the same month last year.

Commission houses and trade interests were buyers of May, July and September oil. Local traders also bought those months. Reports that the next cotton acreage will be cut 8,000,000 acres or more caused not a little buy-

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page

CHLOROPHYLL
BETA CAROTENE XANTHOPHYLL
ALL GRADES AVAILABLE
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ing. On upturns there was scattered liquidation and more or less hedge selling but pressure of hedging operations was still comparatively light. There was further switching from near to distant positions, March being switched to July at 8 points difference and to September at 12 points.

Trading in bleachable prime summer yellow cottonseed oil futures on the New York Produce Exchange from February 14 to February 18, inclusive, comprised 1,810 contracts, a total of 108,600,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
March	8.35	7.89	8.20@8.22
May	8.38	7.92	8.24 sale
July	8.42	7.95	8.29 sale
September	8.48	8.01	8.36 sale
October	8.33	8.29	8.36@8.39

Crude, Southeast, .06¾@.07c.

Chicago, Feb. 18.—Buying of cottonseed oil has picked up in irregular fashion, with a fair amount of inquiry reported. Good, off-Summer, yellow fig oil is quoted at 8⅜c. per pound. Refined, edible oil is 9½c. per pound, barrels, car lots; and 9¾c. to 10c., barrels, less than car lots.

Hull, Feb. 18.—Quotations on cottonseed oil were:—

	Refined. Per cwt. s. d.	Egyptian crude. Per cwt. s. d.
Saturday	20 6	17 6
Monday	20 6	17 6
Tuesday	20 6	17 6
Wednesday	21 0	18 0
Thursday	21 0	18 0
Friday	21 0	18 0

Cake and Meal.—A firm tone prevailed in Southern markets, the tendency of prices in some sections being reported as upward owing to the action of the oil market here. Offerings continued to be reported as light. There were reports of a better domestic and foreign inquiry for meal.

Markets at Other Centers

Atlanta, Feb. 16.—Prime crude cottonseed oil is quoted at a higher price, the price being 6.60c. per pound. Meal is reported in active demand by fertilizer manufacturers and is steady $24 per ton, interior mill points.

Weather has continued favorable for land preparation and marked progress has been made in regions where work has been retarded b previous bad weather.

In view of action by congress limiting cotton acreage it is now apparent that the crop this year will be considerably less than last year, some thinking it may be less than congress has planned because of the low price of cotton.

Memphis, Feb. 18.—Considerable crude cottonseed oil sold during the week at 6¾c. Today 7c. is asked by the crushers, many of whom are well sold ahead, and it is contended that very little oil will come on the market below the 7c. basis. Cottonseed meal futures advanced during the week to new high levels for the season for August, September and October deliveries. Seed movement about over. Some scattered lots are still available for which $30 per ton is asked at gin points. Many planters report that seed held for planting purposes is analyzing very low germination. This may mean considerable replanting later should early stands be poor. Farm work to date somewhat delayed as farmers are awaiting official announcement of agricultural allotments.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	February 10.	February 17.
March	$21.95@22.05	$22.15@22.40
May	21.00@21.75	22.50@22.75
July	22.05@22.25	23.50@23.85
August	—@—	24.10@24.30

Animal Oils

Degras.—The market appeared to have a steadier tone in company with some other fats and greases. There were reports of a somewhat better inquiry from local and other consumers.

Lard.—Prime edible oil was unchanged but quotations on other grades were reduced ¼c. to ½c. per pound by producers. Business was quiet, such transactions as were noted being limited to comparatively small or moderate quantities.

Neatsfoot.—The market had an easier tone, quotations on most grades being lowered ½c. per pound. Consumers showed little disposition to purchase in advance of immediate or nearly requirements.

Tallow.—Prices were reduced ¼c. per pound, the easier tone being a reflection of recent weakness in basic material. Trade was quiet.

Markets at Other Centers

Chicago, Feb. 18.—Because of steadiness in basic markets and no change in the general buying situation, the animal oils market is showing little change. Buyers are still quite cautious.

LARD.—No. 1, 9c. to 9¼c. per pound.

OLEO.—No. 2, 8¾c. to 9c.

TALLOW.—Acidless, 8¼c. to 8½c. per pound, tanks; 9¼c. to 9¾c., drums.

Fish Oils

Menhaden.—Refined oil selling schedules were advanced 6 points by local interests, the rise being attributed to high cost and scarcity of crude. There was little change in the attitude of consumers. A fair inquiry was noted but purchases were generally confined to comparatively small lots for prompt shipment. Crude was nominal.

Sardine.—The recent advance in crude oil, due to smallness of production, was reflected in the local market for refined oil last week, quotations being advanced 6 points by refiners. There was a fair inquiry but purchasing was generally limited to comparatively small quantities to fill the current requirements of consumers. Crude remained firm.

Sperm.—A firm tone prevailed but prices were without quotable change. Demand was generally limited to small or moderate quantities.

Markets at Other Centers

Baltimore, Feb. 16.—No further sales of Florida oil on a when-and-if-made basis have been heard of and as for this division, it appears to be completely without new developments. Of course, much will depend upon production when the fishing season opens as to whether the present level will be maintained or a lower range set, but efforts to push the market up are not fraught with a definite measure of success. The fishing companies might be disposed to book business at 40c. per gallon, but the larger buyers are not at all eager to tie themselves up at that rate. Refined oil is also very quiet.

Fats and Greases

Grease. — The market appeared to have a steadier tone, although prices were generally without change. There was a fair inquiry. Stocks available for prompt delivery were said to be light.

Lard.—Cash prices moved in company with futures, changes generally being moderate. Domestic business was quiet. There was a fair export movement. Shipments from Atlantic and Gulf ports to foreign destinations from November 1 last to February 12 were about 21,750,000 pounds larger than in the same time last season.

Stearin.—The market was firmer, quotations being advanced ¼c. Trade was quiet. Offerings were light.

Tallow.—Business was rather quiet much of the time, but the market appeared to have a steadier tone. Offerings from producers and resellers were generally light. Large consumers were inclined to hold off and such transactions as were reported were limited to unimportant quantities. Exports from Australia during 1937 were 29,400 tons against 29,550 tons in the previous year and 18,949 tons in 1935.

Trading in tallow futures on the New York Produce Exchange from February 14 to February 18, inclusive, comprised 3 contracts, a total of 180,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
March	6.25	6.10	6.15@6.30
May	6.35	6.35	6.30@6.35

Markets at Other Centers

Chicago, Feb. 18.—Cash lard trade has been strictly moderate as buyers continued their policy of caution. Some attention has been paid to the trend of the more speculative markets. Values continue far below a year ago. Shipping trade has been fair.

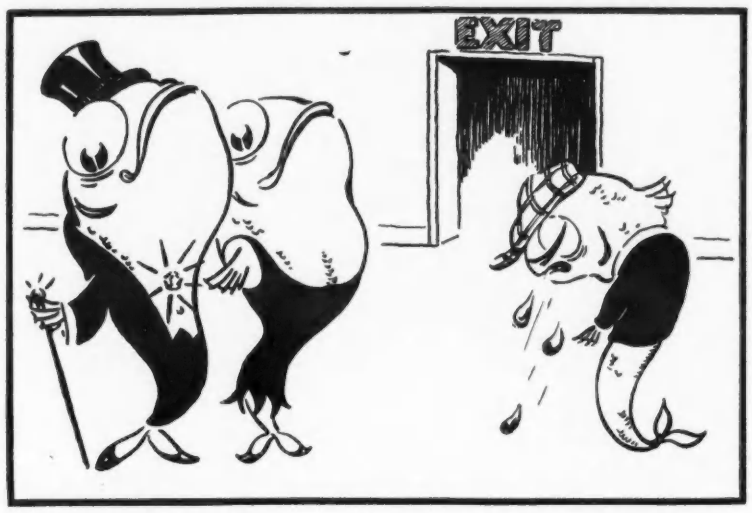
The range of lard qutations from the opening Monday, February 14, to the close Friday, February 18, is shown in the following table:—

	Per 100 pounds				
	Open.	High.	Low.	Close.	Previous Friday.
Cash	$8.37	$8.75	$8.37	$8.75	$8.40
May	8.75	9.30	8.67	9.20	8.70
July	8.95	9.50	8.87	9.40	8.87

—*Continued on page* 62

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Elastoil Fish Scale Sketches



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SOYA BEAN OIL
WALNUT OIL
CHINA WOOD OIL
OITICICA OIL
RAPESEED OIL
SPERM OIL
WHALE OIL
NEATSFOOT OIL

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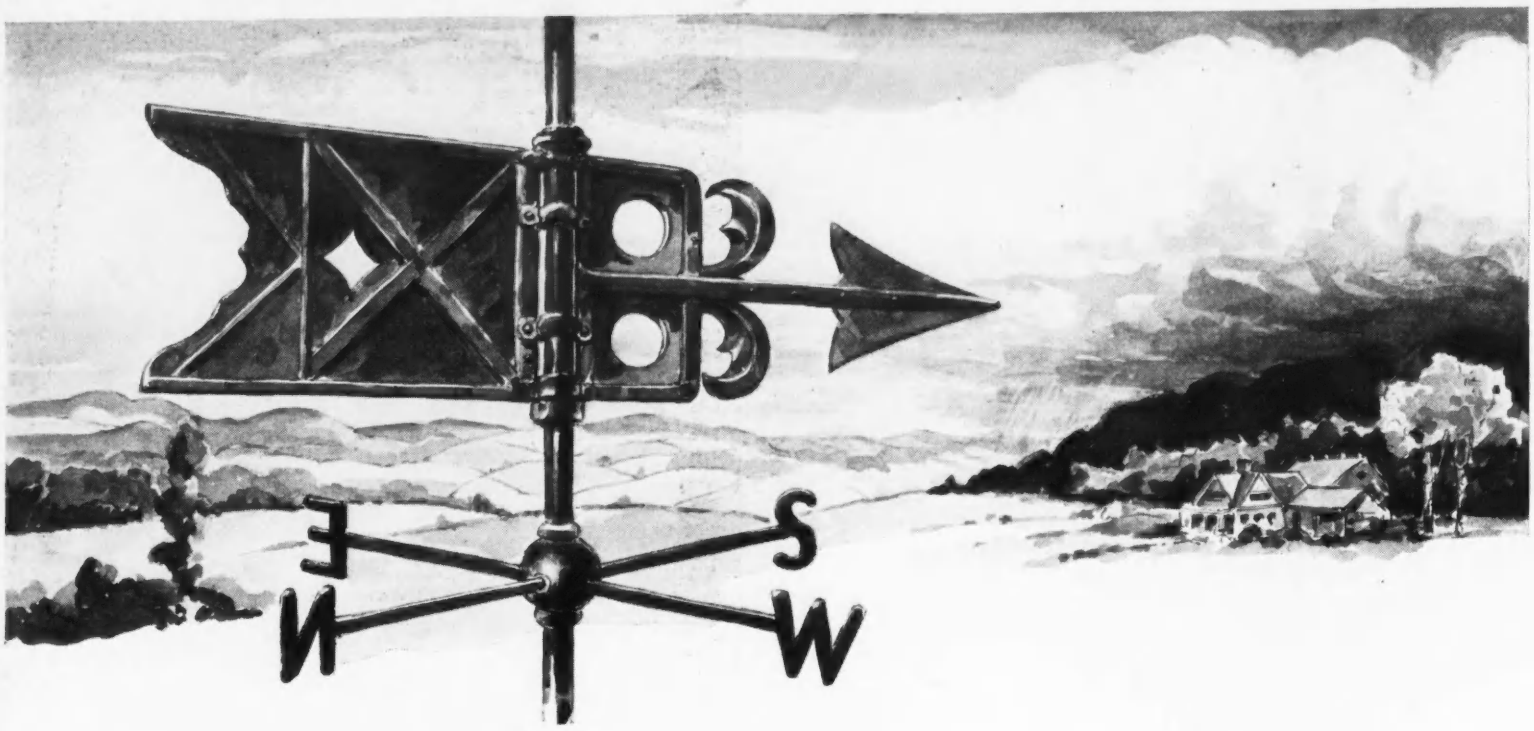
Our Technical Service Department will be glad to help you select an Elastoil Product that is practically "tailor made" to your need.

REFINERS AND PROCESSORS
IMPORTERS, EXPORTERS AND MANUFACTURERS

Murray Oil Products Company
Main Office and Plant—Margaret and Pearce Streets, Philadelphia, Pa.

Industrial Oil Products Corporation
Office and Plant—5641-47 South Riverside Drive, Los Angeles, Cal.



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Baker's fine chemicals

for Pharmaceutical Manufacturers

Drugs, Fine Chemicals

Quicksilver Prices Lower and Competition in Mercurials Continues —Ephedrine Unsettled by More Offerings—Favorable Sales Terms on Bismuth Salts and Iodides

Demand for drugs and fine chemicals remained comparatively light throughout the past week. The general slackness of major demand was apparent in practically all divisions of the market, and the condition paralleled that noted in commerce generally.

Quicksilver was lower on the week, and although quotations on mercurials lacked further reduction by the domestic producers, the latter group was still unsettled by foreign competition. Conditions were distinctly favorable for buyers with firm orders in hand.

New sales terms prevail in bismuth salts and iodides. In quantities of twenty-five pounds, one delivery, prices are on a delivered basis to any point in the United States. The terms do not prevail, however, on purchases of assorted shipments of either group, but only on twenty-five pound purchases of individual bismuth or iodide items.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Bismuth, subcarbonate, X-ray, 10c. per lb.
Corn syrup, 5c. per 100 lbs.
Quicksilver, $1.50 per flask.
Sorbitol, 1c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
180.8	**180.9**	**181.6**	**181.7**

Market news that may have developed after this report was sent to press will be found on page 4.

More activity was noted in the glycerin market. Refiners showed more disposition to buy crude and that resulted in a strengthening of the market views held by those supplying crude. Some improvement in demand for refined material was noted.

Sulfanilamide continued to be quiet. Soda mandalate and mandelic acid were in similar position. No further bids to supply strychnine to the Federal government were noted. Seasonal articles moved less actively and with the end of Winter not far away, the movement of Winter items was expected to contract further.

Acetphenetidin.—It has been a comparatively quiet market in this item for some time past. Some quarters have intimated that sales have not been up to normal during the Winter season, but all of the trade agree that values continue in well stabilized position.

Acid, Acetylsalicylic.—The feature of demand of late has been the steady call for quantities sufficiently large to create a fairly satisfactory total volume of transactions. The undertone of the market continued to be steady under the influence of a fair movement.

Acid, Phosphoric.—The U.S.P. article has been quiet of late and trading last week was conventional in variety and volume. Quotations were said to be mainly steady in the absence of much competition.

Acid, Tannic.—Prices prevailing for some time past were confirmed last week as being unchanged. While the stocks of raw material continued to be moderate because of an absence of normal shipments, especially from China, producers of acid appear to have been able to supply all demand reaching them.

Acid, Tartaric.—A steady spot market was noted. Prices were well maintained and in view of the sustained position maintained on raw material quotations, sellers expected present quotations to prevail minus any immediate tendency toward lower levels.

Agar.—The future positions of the article appeared to be fairly easy and goods for delivery in March were reported available over the range 85c. to 88c. per pound. Spot quotations continued to be somewhat unsettled by the substantial savings possible to buyers able to await March as a delivery date.

Alcohol.—Little new came to this market last week. On the surface, the market was a steady affair and lacking in elements of a weakening character. However, The future trend of the market has yet to be developed and much will depend on stocks to be carried over into the next season by both producers and distributors. Industrial users of specially denatured alcohol took conservative quantities for manufacturing purposes last week, production needs being influenced by the generally slower flow of commerce.

Aloin.—A market of very firm undertones reflected the continued strength of Curacao gum, the outlook for which was reported to be not so encouraging because of conditions prevailing at the source. Demand was fair but not expansive during the past week.

Antipyrene.—Call for this item has been light of late. In fact, some sellers have indicated that deliveries during the Winter period had not been up to expectations. However, the prices remained very steady because of an absence of much in the way of local competition.

Bismuth Metal and Salts.—Prices on the X-ray variety of bismuth subcarbonate have been reduced at last. It is some time since some of the major salts were reduced. Competition continued to be very active. Sales terms have been changed. In twenty-five-pound lots or more, one delivery, and consisting solely of any individual salt, prices include delivery to any point in the United States. The free delivery cannot be obtained on twenty-five pounds of assorted salts.

Borax.—Deliveries against contracts have been fair, but the decline in manufacturing operations in consuming industries have slowed things up some. Quotations remained very steady, and no change in schedules was expected to come earlier than midyear.

Cadmium Metal.—Business was very quiet. Operations of the plating industry were on a reduced schedule, and hence movement to that leading quarter of consumption was conservative. Prices had a slightly easy undertone, though open change was lacking.

Castor Oil.—Business was quiet. It was also routine and productive of a conservatively sized total volume of transactions. Undertones appeared to be fairly steady, and quotations did not appear to be subject to shading, as they were in the recent past.

CHICAGO, Feb 17.—Castor oil business is reported fair. Supplies are readily available to meet buyers' demands, and there is some indications of a little easiness here and there, but for the most part the situation is reported fairly stable. Ruling prices are:—No. 1, barrels, car lots, 10½c. per pound; less than car lots, 10⅞c.; returnable drums, car lots, 9⅞c.; less than car lots, 10⅜c.; tanks, 9⅜c.; No. 3, barrels, car lots, 9⅝c.; less than car lots, 10⅜c.; returnable drums, car lots, 9⅜c.; less than car lots, 10⅛c.; tanks, 9⅞c.

Codeine.—Deliveries were prompt and in very good volume, the call for sulphate and phosphate being well up to the requirements normal to buyers at this season of the year. Ample stocks of raw material kept deliveries prompt.

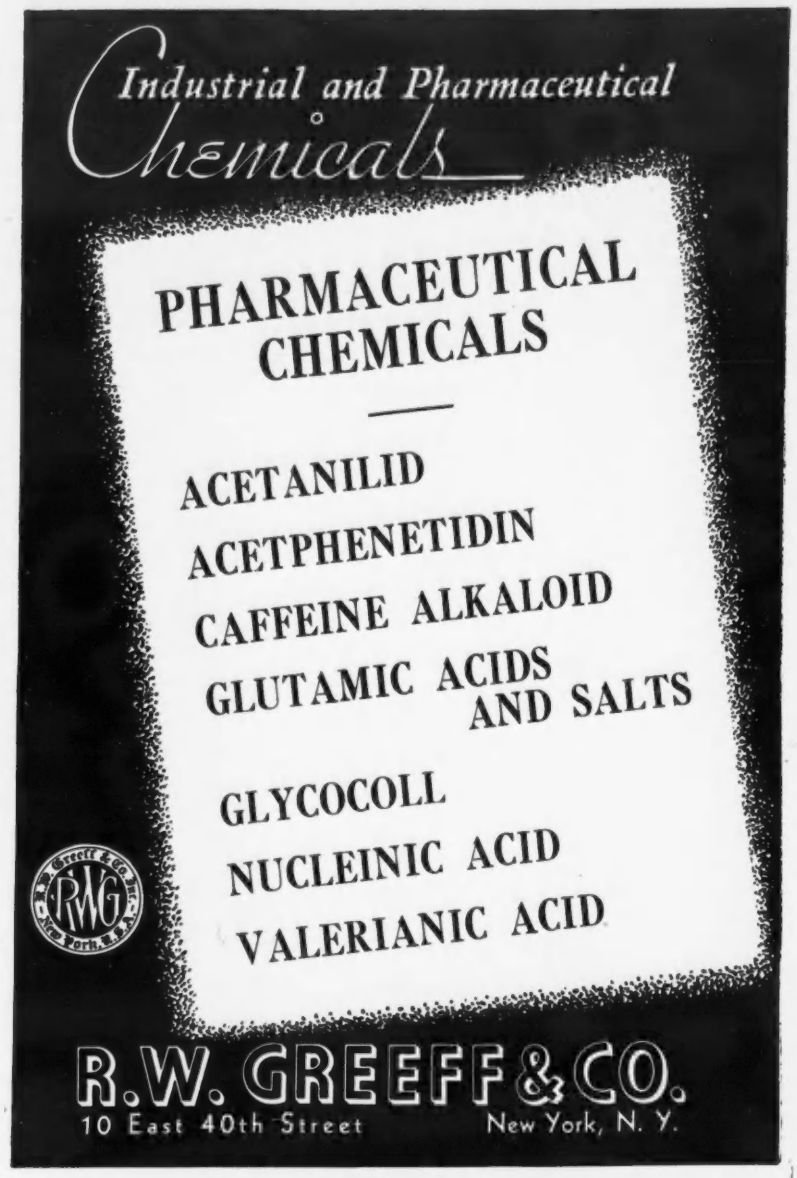
Codliver Oil.—Business was somewhat narrow. With the new fishing season now under way, the tendency of buyers for import was to hold aloof in order to profit by the declines in price likely to develop should the production be normal, or larger than usual. The early yield of oil from livers have been running high but early figures are not a reliable indicator for production over the season.

Corn Syrup.—Prices were reduced late in the previous week, making 42 degree syrup $3.04 per 100 pounds, and 43 degrees $3.09. The movement reflected shifting cost of raw material.

Epsom Salt.—Fair sized but not growing demand was reported. Business was done at prices declared to be very steady and in an apparently stable position. Production was excellent and hence stocks were amply sufficient.

Ephedrine.—While open quotations

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7



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lacked change, the market was said to be subject to substantial resale competition. Most of the material coming on the market originated in quarters with something of a surplus. However, in view of the raw material position being tight at the source, the future of the market was uncertain.

Glycerin.—More activity was reported. Refiners were said to be in the market for crude and holders of the latter took a firmer view on the market as the result of the increase in inquiries. Two possible reasons were advanced for the greater interest. First, some have not bought crude for a long time and hence their inventories of that article have run down substantially. Second, the possibility of inflation may have made them inclined to consider money of more value if turned into crude, than if left in the bank. In any event, the market was firmer in all respects.

CHICAGO, Feb. 17.—Orders for c.p. glycerin continue to hold up relatively well. Buyers seem to be more interested. Other grades are in good tone. Ruling prices are:—C.p., drums, 15½c. per pound; less than car lots, 16c.; cans, 17½c. to 18½c., according to quantity; dynamite, 15½c.

Iodides.—Trade was moderately active and the market was not more than moderately steady. New sales terms make it possible for buyers of any individual iodide in lots of twenty-five pounds or more on a delivered basis to any point in the United States. Assorted shipments cannot be had on this basis.

Mercurials.—Competition between foreign and domestic material continued active, but the home makers failed further to reduce quotations last week. Demand was of the ordinary garden variety, and the business was placed under conditions entirely favorable to buyers.

Quicksilver.—The call was light and the larger manufacturing consumers were mainly aloof from the spot. Open quotations on this market lacked change, but the situation was unsettled and the tendency toward shading was present in local circles. Production on the Pacific Coast was conservative, but expansion is likely to come when weather conditions improve. The spot market was down ot $76.50 to $77 per flask.

Quinine.—Business was moderate in volume, but about level with the call reaching this market in recent weeks. Undertones continued to be steady to firm, and quotations were steady.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces, small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London are also prcvided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	32⅜	44¾	20 7/16
Monday	32⅜	44¾	20 7/16
Tuesday	32⅜	44¾	20 7/16
Wednesday	32⅜	44¾	20
Thursday	32⅜	44¾	19 13/16
Friday	32⅜	44¾	19 13/16

Sulfanilimide.—Demand was moderate and revival of major interest was still an expectation to be realized in the future. In the meantime, the market remained steady. According to some reports, the item can be bought in some quarters on a delivered basis to any point in the United States.

Drug Store Chain 1937 Sales Up 4.5%

Total sales of chain drug stores in 1937 were 4.5 percent higher than in 1936, according to the Bureau of Foreign and Domestic Commerce. The greatest gain was shown by fountain sales which were 6.0 percent higher, followed by tobacco sales with a 5.7 percent increase from 1936, while "All Other" sales increased 3.3 percent.

Of the geographic regions, the East North Central States, with an 8.7 percent increase, showed the greatest improvement from 1936, followed by the South Atlantic States with an increase of 6.2 percent. Sales in the West North Central States showed no change. Changes in fountain sales ranged from the 11.8 percent increase recorded by the East North Central States to a 5.3 percent loss in the West North Central States.

Trade News Briefs

Walter B. Howe, of N. V. Potash Export My., this city, is visiting the Southern fertilizer trade.

John J. Watson, president of International Agricultural Corporation, is now at his Winter headquarters at Albany, Ga.

C. E. McManus, president of the Crown Cork & Seal Company, Baltimore, has donated his 276-acre farm, with equipment and livestock, to the University of Maryland for agricultural experimentation. The properties were valued at $1,000,000.

Persian importers and dealers in medicinals and toilet preparations have been listed by the Chemical Division of the Bureau of Foreign and Domestic Commerce. The lists are available to accredited American firms at the usual cost of 10 cents each, from the division, Washington.

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F.W.D.A. Discusses Labor and Fair Trade

—*Continued from page* 3

The closed shop and the checkoff were condemned by the speaker as contrary to equality of rights. Labor bargains differ from ordinary bargains in trade, he said, because of the factor of necessity that influences the employer in the former. There was also ground for suspicion, although not all labor organizations or groups are unfair or unreliable, that racketeering had a part in labor demands. In but few cases do employers rebuff proposals made in good faith by employees. Mr. Updegraff said; the tendency is to be fair; but the prohibition of contact and consultation with employees handicaps the development of proper relations.

Turner F. Currens
Chairman of F.W.D.A. Joint Session

In Mr. Updegraff's opinion the character of an independent, so-called "company," union should be judged by the nature of the contracts made with it. Whether these are more beneficial to the employer should be judged on facts and not, as is often the case, on partial and usually outside opinions. Employees, he said, should have the right to call for elections under the labor act; granting this would not necessarily preclude organization of the workers as is frequently argued.

In response to a question, Mr. Updegraff said that he did not know what could be done to operate an open shop when faced with a demand for a closed shop. He submitted, however, that, once a shop was closed, it was most difficult to reopen it. Harry Z. Krupp, of the Philadelphia Wholesale Drug Company, spoke of difficulties in proceeding toward improvements patently needed. S. C. James, of the Ellicott Drug Company, told of endeavors to anticipate and meet reasonable demands of workers, and wondered what good this would do. Mr. Updegraff said that even when an employer honestly felt that he was doing everything fair and reasonable, it still was possible for a labor organizer to come in and rally some disciples. Unfortunately, he added, the employer cannot organize his own men. Turner Currens made the point that, nevertheless, conditions were better than in the times of the ten-hour and twelve-hour day.

The Role of Business

Mr. Updegraff saw industry bothered most by fear and uncertainty, and he advised that individually and in their organizations, business men write more to their congressmen, urge upon them the handicaps of the onesided labor act, excess profits taxes, and other legislation. They should talk also in their communities, in meetings of various kinds, he advised, proposing programs, outvoicing opposition with a clear statement of industry's position.

Commenting at the invitation of Chairman Currens, on the general problems of business, Hugh Craig, of the OIL, PAINT AND DRUG REPORTER, urged business men to approach matters of legislation with a program of positive constructiveness. It is not getting anywhere, he said, to keep on telling Congress not to do this thing or to do something of a negative nature; it should be given a terse statement—"Ten words are better than two hundred," he declared—of what business wants done and knows should be done to fit the social sentiment of today and at the same time not be destructive of the welfare of business that is basic to that of the nation. Personal contact with congressmen was advised by Mr. Craig, who cited the Missouri plan, where under the State chamber of commerce conducted a delegation of business men annually to Washington to confer with the senators and representatives from that State. In this, he continued, it is essential that a constructive program, appreciative of broad conditions objectively viewed, be presented.

Touching briefly on the national labor act, Mr. Craig said that the onesidedness of this statute in its failure to lay responsibility upon labor, while causing uncertainty, arose from that certainty with which business had been advised by "leading counsel" that the act would not stand a supreme court test, advice which had lulled business into disregard of the necessity of striving for equality in the law's provisions. One of the uncertainties of labor legislation and its interpretation by the courts, Mr. Craig said, was that the closed shop is not regarded as restrictive of individual rights to bargain, but minimum wages fixed by law rather than by union mandate are so regarded. He felt also that the good of the labor act was impaired by the aggravation of its inequalities in its administration.

R. E. Lee Williamson, secretary of the wholesalers' association, reviewed the progress that had been made in labor relations since the days of the Knights of Labor. He said that, in the past,

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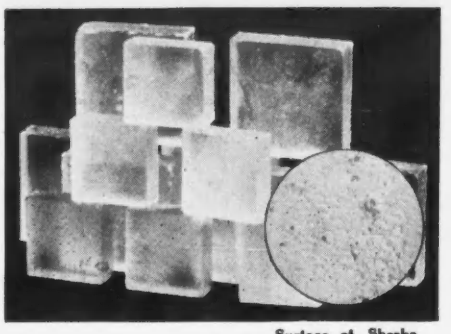

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there had been unfairness on both sides, but that there was a growing tendency to be guided by the Golden Rule. This was reflected in the labor act, but it was partial and its administration apparently more so, and there was in some labor groups unfairness and a tendency to make trouble.

Mr. Williamson repeated his recommendation of a year earlier, that aggressive action be taken to correct the inequalities of the labor act and the attitude of the labor board. He urged that contacts be made with congressmen in cooperation with other associations representing employers.

Fair Trade Procedure

A summary of procedure under the fair trade act of Rhode Island was given by William D. Strackon, chairman of the State fair trade committee. The act has been in operation two years, and 150 manufacturers have made contracts under it, he said. Retailers are encouragingly cooperative, and Mr. Strackon felt that the law was being beneficial to manufacturers, distributors, and consumers.

Minimum prices under the Rhode Island law have been set comparatively low, Mr. Strackon said, in order that consumer resistance might be avoided. Very little trouble in this respect had been experienced. Retailers are instructed not to tell customers that higher prices are the result of a law, but are in line with the general trend. There has been a decrease in private-label sales in Rhode Island, he said, and retailers are advised not to switch on contract-priced articles. The act prohibits combination sales, arranged by distributors, although manufacturers may use these.

In his opinion the law has increased the gross volume of manufacturers' sales. Prices are generally the specified minimum, emphasis being laid on the psychological effect of the same price everywhere. There have been no court cases under the law.

Jack Norton, of the Lambert Company, said that chain stores have found fair trade acts to boost their profits, although reducing the volume of certain sales. The markup under his company's contracts runs from 20 percent gross on the large size to 30 percent on $2 quantities of the small. He said that the sale of substitutes had been decreased in Rhode Island. He pointed out also that the average price on the large size of "Listerine" was now 2 cents lower than it had been before the minimum price was specified; because reluctant sellers had been asking a much higher price when cutting was prevalent.

Arthur Hill, of Johnson & Johnson, said that more harm was done by overpricing of surgical aids than by underpricing. The average price of his company's products had been reduced by fair trade contracts. He too saw a swing toward larger proportionate sales by individual retailers. In explaining prices to customers, retailers, he said, should tell of the impossibility of selling at or below cost; their neighbors were faced by the same problem and could understand that sort of language.

Mr. Williamson pointed out the significance of evidence that fair trade lowers prices in contradiction of the widely proclaimed boosting result. He said that proponents of fair trade should fight with facts the biased statements of opponents. Mr. Strackon asked the assistance of manufacturers in showing that the consumer is not being taken in by fair trade pricing.

Harold Thomas, of the Centaur Company, said that it was necessary to appreciate that the average weighted price is raised. This, he said, was to be expected, and the big problem is not what is happening to articles priced under fair trade acts but to the general average. The answer should be found by comparisons of averages in States that have fair trade acts and those which have not.

Declarations that fair trade boosts prices are hocus-pocus, Mr. Thomas said, but the public does not know this. The retailer carries the burden of seeing that the public is properly informed. More harm than good is done, he continued, when the dealer tells the customer that the manufacturers has raised the price or that the higher price is the result of the fair trade law; or gives the impression that he can do nothing about it. The biggest job of the present is to get the dealer to give the customer the proper answer. S. C. James said that retailers could not discuss the matter intelligibly with customers. Others felt that he could be adequately instructed.

Mr. Thomas pointed to the subtle attacks being made on fair trade laws in meetings of women's clubs and home economic groups. Mr. Norton felt that the consumers' attitude was not so serious as some believed, but was getting worse. They could be more impressed by the lowered prices of the majority of articles, and shown that the arguments about higher costs of living do not apply. Mr. Currens mentioned sharpshooting at price-protected goods by postcards and in catalogs. Mr. Hill said that the period of experience with fair trade operations was an important factor in respect of procedure and attitudes. Several speakers urged vigilance and action with respect to the efforts already launched to repeal State fair trade acts and the Federal enabling act.

Chapin Hoskins, economist, addressed the meeting on the subject of business cycles and the economic factors which were responsible for waves of prosperity and recession. He outlined his methods of analyzing business trends on a mathematical basis and concluded with the opinion that, although there would be minor waves of improved business conditions in some lines during the next few years, he did not expect a period of real prosperity until 1955. He commented that price-maintenance would have "tough sledding" during the intervening period.

R. E. Lee Williamson
F.W.D.A. Secretary

Drug Stores Chain Ass'n Elects Shapero President

The National Association of Chain Drug Stores at its annual meetnig, February 16 in the Hotel Biltmore, this city, elected the following officers:—President, Nate S. Shapero, of the Cunningham Drug Stores; honorary chairman, George H. Gales of the Liggett Drug Company; vice-president, Justin W. Dart of the Walgreen Drug Stores; treasurer, William C. Watt of the Liggett Drug Company, and secretary, Fred J. Griffiths of the Pennsylvania Drug Company. The following were elected to the board of drectors:—T. M. Beavers of the Peoples Drug Stores; Wallace J. Smith, of the Read Chemical Company, and H. H. Moffett, of the Whelan Drug Stores.

Pfaltz & Bauer Offers New Reflection Meter

Pfaltz & Bauer, Inc., importer of scientific instruments and laboratory apparatus, this city, has added to its line the new universal model Dr. B. Lange photo-electric reflection meter. The reflection meter is used for control work in cellulose and paper factories, laundries, bleacheries, dye works and ceramic factories for the determination of the whole content of powders, starches, flours, dyestuffs, etc.

F. H. Totman, vice-president of the Summers Fertilizer Company, Baltimore, is convalescing in St. Petersburg, Fla., from a serious illness. His present address is Box 151, Station 22, St. Petersburg.

Botanical Drugs, Spices, and Gums

Competition Broader as Spot Prices Show Continued Downward Trend—Effects of Change in Gold Policy of Government Studied in Relation to Import Costs

Reports concerning the volume of business done in the market for botanical drugs continued to lack unanimity. The majority opinion was that sales were small volume and made under competitive conditions. Some reports were to the effect that business was excellent with volume running well up into satisfactory figures.

A consensus among spot dealers last week indicated that their spot stocks were substantial. In fact, the competitive character of the market was attributed to the ample spot stocks. One quarter advanced the view that were demand up to normal, and if Spring business should be good, spot stocks, in that event, would not be considered too large. Others did not agree in this view.

The tendency of prices continued to be in favor of buyers. Values were rather soft and the changes made during the period under review were mainly downward. Prominent among the medicinals available at lower price levels were aconite and belladonna roots, digitalis and henbane leaves, rhubarb and stillingia roots, cascara bark, colocynth pulp, ipecac and gentian roots, powdered papain and sabadilla seed, larkspur seed and powdered orris root.

Some in the local trade were giving thought to the possible effect of the policy of freeing some gold from so-called sterilization. A tendency to view this Treasury Department action as mildly inflationary was noted, and the effect of a cheaper dollar on the import cost of botanicals was being studied.

Entries of botanicals at the port of New York since the week of January 1, 1938, the detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	...	318
Belladonna	51	114
Caraway	100	14,825
Cardamom (cases)	...	400
Celery	...	84
Coriander	670	1,144
Cumin	58	588
Digitalis leaves (cases)	53	56
Dill	...	160
Fennel	75	227
Henbane leaves (bales)	42	87
Mustard	200	5,955
Poppy	300	6,150
Sage leaves (bales)	...	134
Sesame	341	1,237
Stramonium (bales)	201	201
Thyme (bales)	...	120
Totals	2,094	18,341

Price Changes

Prices were changed during the past week as follows:—

Advanced

Canary seed, Argentina, ⅛c. per lb.
Morocco, ⅛c. per lb.
Turkish, ⅛c. per lb.
Celery seed, ¼c. per lb.
Cumin seed, Algerian, ¼c. per lb.
Poppyseed, Dutch, ¾c. per lb.
Polish, ¾c. per lb.
Pepper, black, Lampong, ⅜c. per lb.
Rapeseed, Dutch, ⅛c. per lb.
Sunflower seed, California, large, ¼c. per lb.

Reduced

Anise, star, ½c. per lb.
Aconite root, 7c. per lb.
Belladonna root, 1c. per lb.
Cascara bark, ⅜c. per lb.
Colocynth pulp, 1c. per lb.
Cardamom, decorticated, 5c. per lb.
Coriander seed, ⅛c. per lb.
Digitalis leaves, 10c. per lb.
Gentian root, whole, 3c. per lb.
powdered, 2c. per lb.
ground, 3c. per lb.
Henbane leaves, 1c. per lb.
Irish moss, bleached, 1c. per lb.
Ipecac root, whole, 5c. per lb.
powdered, 5c. per lb.
Larkspur seed, 2c. per lb.
Nutmegs, W. I., ¼c. per lb.
Orris root, Florentine, powdered, 1c. per lb.
Papain, powdered, 50c. per lb.
Raspberries, dried, 7c. per lb.
Rhubarb root, whole, 5c. per lb.
powdered, 5c. per lb.
Stillingia root, ½c. per lb.
Sabadilla seed, powdered, 1c. per lb.
Sunflower seed, California, medium, ¼c. per lb.
Wormwood herb, ½c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
133.7	134.7	135.9	124.2

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Copaiba.—Trading was conservative, consisting mainly of a call coming from users in moderate to jobbing quantities. Prices were about steady.

Fir.—Scarcity of Canadian balsam continued to keep prices on spot not only high but also close to being nominal. The unsold stocks on this market were small and in strong hands. Oregon balsam lacked new development and seemed to be steady.

Barks

Cascara.—The spot market was noted at 10¾c. to 11c. per pound on two-year old bark. Bark younger than that was quoted at 10¼c. In keeping with the fact that new crop season is not far away, demand was very light, the principal buyers holding off for developments at the source.

Cocillana.—Slow trading was the rule and the market seemed still to be soft. Prices continued to have a tendency to move in favor of buyers. No further change was made in open quotations.

Orange Peel.—Moderate business was noted, the call being mainly of jobbing size and productive of fairly low total volume of trade. Quotations seemed to be steady.

Sassafras. — Select bark was still priced at 20c. to 21c. per pound in most directions but conditions relating to demand were such as to make further shading not unlikely should orders reach the market under competitive conditions.

Soap.—Cut bark was lower at 9c. to 10c. per pound. Powder was somewhat easy but lacked further decline. The unsettlement of prices in recent weeks was said to be connected to the comparatively light call from manufacturing consumers.

Beans

St. Ignatius.—Hand-to-mouth business was noted and the market remained slow as to demand and not more than steady as to price.

Vanilla.—Basically, the market was declared to be very firm. Foreign market stocks, especially in France, were well held at prices said to have developed substantial strength because of the very excellent demand coming from the United States in recent weeks. Trade here continued to be very good and quotations were fully maintained in all quarters.

Berries

Juniper.—Although quotations were no lower, the market was still placed favorably for buyers. The actual call was irregular and lacked substantial size.

Raspberries.—As low as 53c. per pound was quoted on the spot and the range was to 55c., according to seller and quantity. The trend of prices had been downward for some time past and the market was still on the easy side because of competition and light demand.

Flowers

Arnica.—The foreign market was reported holding steady and that on spot lacked further unsettlement. In fact, not all sellers were meeting the minimum quotations noted in local circles. Demand was light.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Clover.—Quotations seemed to be steady even though demand was said to be on a basis not much in excess of jobbing. Interest in import parcels was very light.

Pyrethrum.—The market for powder and concentrates was fully firm on the basis of the recent advance. The position of concentrates was especially firm because of the advanced cost of manufacture, the result of the poor and entirely subnormal pyrethin yield from Japanese flowers. No further change in prices was reported.

Rose.—A steady but not very active market was the rule. Stocks seemed adequate to meet any reasonable expansion in request. Quotations held unchanged.

Saffron.—A quiet market was noted. However, quotations seemed to be steady, being well maintained in relation to the first cost of Spanish material. Mexican flowers were steady, too.

Gums

Aloe.—Curacao gum at 35c. to 36c. per pound, and Cape at 20c. to 21c. per pound. Interest in the material was fairly active and in view of the primary market position of Curacao gum, that article on spot was firm.

Arabic.—Although quotations weakened no further, cleaned amber sorts had a highly conservative movement and conditions were mainly favorable for buyers with firm orders to place. The recent accession of strength in primary market prices has yet to find reflection in local quotations.

Karaya.—Prices ranged 14½c. to 28c. per pound, according to seller and quality. Business has been not too active of late but sellers were disposed to look forward with some confidence toward the Spring period during which improvement in sales was expected to develop. The higher quality gums were down slightly.

Myrrh.—Jobbing business was fair and the market as a whole was steady in undertone and not especially subject to competition. Stocks were said to be ample to meet more than the current demand.

Olibanum.—Business was routine. Buyers bought close to actual needs and their takings were not always substantial. Quotations appeared to be generally steady on the spot.

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Saffron
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Herbs and Leaves

Digitalis.—Quotations were lowered to 50c. to 55c. per pound on whole, although one quarter named 70c. per pound as a minimum figure. While the 50c. figure might not be done readily, there was little doubt that buyers with firm orders in hand would experience little difficulty in covering needs at least at 55c. to 60c. Continuation of this market at 50c. to 55c. per pound will depend solely on how much material reaching this market from abroad is released by the Department of Agriculture. Of arrivals since January 1, totaling sixty-nine bags, fifty-three were denied entry, mainly because of too high moisture content. The decline in prices of late has been caused by some releases made by the Department of Agriculture.

Henbane.—Further competition brought another reduction, this time to the basis of 17c. to 18c. per pound. Even at that limit the item was said to be unsettled by the general lack of interest displayed by buyers.

Lobelia.—Quotations were noted at 13c. to 14c. per pound on the spot, being not well supported by current demand and showing some disposition to move in favor of buyers.

Thyme.—Quotations were no lower and in view of the uncertainty surrounding the item in the replacement markets of Europe, most sellers on spot expected that a fair stability would soon be developed.

Wormseed.—This inactive item was priced at 8c. to 9c. per pound, fractionally lower and generally easy under the influence of competition whenever orders were shopped widely through the spot.

Miscellaneous

Colocynth Pulp.—The market was down to 28c. to 32c. per pound, prevailing over that range according to seller. The decline extended the downward movement prevalent for some time past.

Guarana.—A fairly steady price position was reported, but the market has been none too active of late and hence the position of this item remained to be developed when demand shall revive.

Irish Moss.—Bleached was quoted 18c. to 20c. per pound, according to seller and quality. The ordinary grade, as well as powder, lacked quotable change. Consumption has been very fair during the Winter period but the call has lessened, according to several suppliers.

Manna.—Some quarters reported an advance in values but others kept former quotations in force, though they did report a firmer situation in the process of development. Control of production in Italy has been in force some time, this for the purpose of preserving Italy's commerce in the article and also to assure the maintenance of quality standards.

Papain.—Powdered was on the lower basis of $1.75 to $2 per pound, and competition in the item appeared to be substantial. Demand was moderate to light in most quarters, and this tended to keep the item placed favorably for those with firm orders in hand. Most replacement offerings were coming from reselling points, not from the source.

Roots

Aconite.—Rather too much spot stock led to the naming of prices substantially under those recently prevailing. A general quotation was 32c. to 35c. per pound but one quarter quoted as low as 29c.

Angelica.—Most local reports indicated an absence of normal reserves in the domestic primary market. On the spot, the majority of prices stood at 23c. to 25c. per pound but as low as 16c. was noted. Imported material of natural description was reduced to 20c. to 22c. per pound.

Belladonna.—Some sellers were less reserved and offered rather persistently on the lower price basis of 11c. to 12c. per pound. Business was very slow.

Gentian.—Prices were reduced to 10c. to 12c. per pound for whole, 12c. to 14c. for ground, and 14c. to 16c. for powder. The market was substantially more competitive since replacement costs have come down.

Ipecac.—Competition continued on the spot and values crumbled further. Whole was priced at $1.20 to $1.25 per pound and powdered was down to $1.35 to $1.40. For the time being at least, it was a market distinctly favorable for buyers.

Orris.—Further shading on prices for powder was noted, this time powdered Florentine root being affected; it was down to 12c. to 13c. per pound. Other forms of the item were unsettled.

Rhubarb. — Although little further change in the primary market developed last week, the recent weakness in spot prices remained and quotations were reduced further to the basis of 45c. to 50c. per pound for whole, and 50c. to 55c. for powder.

Stillingia.—The market was shaded to 9c. to 10c. per pound and lack of demand gave rise to the opinion that with firm orders in hand buyers might do business at something less than the market as quoted.

Seeds

Anise.—Star seed was reduced to 14c. to 15c. per pound. Spanish material lacked change. The supply of the former was being pushed more actively and competition was more prevalent.

Canary. — Quotations strengthened and a fractional advance brought all three varieties of this item to the basis of 4.85c. to 5.05c. per pound.

Cardamom.—Decorticated seed was lower at $1.20 to $1.50 per pound. Green lacked further change, but was still easy under very good supply. Bleached material held steady and unchanged. Demand was light.

Celery.—French seed was a fraction higher at 15¼c. to 15½c. per pound, but interest in the item hardly exceeded that of jobbing proportions. Indian seed lacked change.

Coriander.—Morocco seed was down to 5½c. to 6c. per pound for the natural but no change was made in the quotations in bleached material. Competition was somewhat more lively.

Cumin.—Algerian seed rose a fraction to 9¼c. to 9½c. per pound in a market but moderately active, but still responsive to a firmer trend of events in the primary source of supply. Indian and Moroccan seeds held unchanged.

Larkspur.—Further shading brought the spot quotations down to the basis of 33c. to 35c. per pound and sellers indicated that poor request kept the item placed favorably for those with firm orders to place, this because of the more competitive spot position of the item.

Poppy. — Replacement costs were higher and spot quotations follow:—Dutch and Polish seed were priced at 11c. to 12c. per pound and ended the week in firm position despite the not broad request for the material.

Sabadilla.—Powdered materal was a shade lower at 19c. to 20c. per pound and the tendency was to meet any reasonable bid with a favorable decision. Conditions were favorable for a wider trade in the item.

Sunflower. — California seed, the large variety, has strengthened in keeping with adverse reports concerning crop prospects. Large seed on the spot was advanced to 6c. to 6½c. per pound. The medium grade was a shade lower at 4¾c. to 5¼c. per pound, being a readjustment in spot quotations. The poultry grade was unchanged.

Spices

Cassia.—The market was quiet but steady with prices holding well despite the not broad interest of buyers for consumption.

Clove.—Firm undertones prevailed on spot, and there was an absence of unsettlement in the primary market. Demand was moderate but quotations in this market were well maintained.

Ginger.—Japanese material moved out of nominal position to the firm basis of 15½c. to 16c. per pound. African root was steady, while no new developments took place in the market for Jamaica produce.

Nutmegs.—West Indian material was shaded to 11½c. to 12c. per pound. East India merchandise lacked change and for the most part was steady on spot. Demand was moderate.

Paprika.—News from abroad had it that Spanish material would likely be shipped from Cartagena, thus eventually to increase the supplies available on this market. The fair and fancy qualites on spot have been in nominal position.

Peppers.—The sole change in price came in black Lampong, which item rose to 6⅛c. to 6¾c. per pound. Of interest was a report that a recent statement concerning New York warehouse stocks has been challenged as being too large. Some said that the strengthened market on black pepper followed when the true position or size of spot stocks came out. White and red peppers remained generally steady at unchanged prices.

Trading in black pepper futures on the New York Produce Exchange from February 14 to February 18, inclusive, comprised 179 contracts, a total of 6,014,400 pounds. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
January	6.65	6.00	6.50@6.55
March	6.12	5.80	5.98@6.10
May	6.20	6.11	6.12@6.20
July	6.35	6.02	6.23@6.30
October	6.50	6.50	6.35@6.45
December	6.63	6.35	6.45@6.50

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Drug-Chemical Club Elects 1938 Officers

At the annual election for new members of the board of governors of the Drug and Chemical Club, this city, held at noon on February 17, the following were approved by the club membership:—Montgomery Clarke, of the Hanover Fire Insurance Company; J. J. King, of the Hooper-Holmes Bureau, Inc.; R. W. McClintock, of the MacLac Company; E. C. Otto, of Charles Pfizer & Co.; W. J. Reynolds, of Carroon & Reynolds, and F. L. Stallman, of Stallman & Co.

The board of governors have selected the following officers to serve through 1938:—President, Edward J. Sisley, of Sisley & Co.; vice-president, Gustav H. Niemeyer, of Handy & Harmon; treasurer, H. B. Lamy, jr., of the Pacific Fire Insurance Company, and secretary, Junius L. Powell, of Chubb & Son.

Joseph A. Huisking, of Charles L. Huisking & Co., drugs and chemicals, this city, was the guest of honor at a dinner tendered him by the board of governors of the club. Mr. Huisking has completed a term as president of the club and, in accordance with the custom of years, the dinner was a testimonial of the regard in which the governors held the retiring president and an indication of their appreciation for his work during the past year. As a token of their esteem and affection, Mr. Huisking was presented with a complete set of golf clubs together with a handsome bag. About twenty persons attended, including former presidents of the club.

Mr. Huisking was recently the recipient of another honor—that of being appointed to the board of directors of the New York Board of Trade. Mr. Huisking was chairman of the executive committee of the Drug, Chemical and Allied Trades section of the New York Board of Trade during 1937.

Ga. Chain Store Tax Bill Is Voted Down

Atlanta, Feb. 14, 1938

A bill which would have greatly increased the present Georgia chain store tax was voted down at the special session of the Georgia legislature. Under the terms of the defeated bill, the tax would have been put under so-called "Louisiana System," under which chain store taxes are on a graduated scale based on total number of stores owned without regard to the number located in the particular state.

Baltimore Drug Bowling League Lead Tie Unbroken

The lead in the Baltimore Drug Trade Bowling League continued to be occupied by teams representing the Armstrong Cork Company and Bromo-Seltzer. The position of the teams follows:—

	Won.	Lost.	Pct.
Armstrong Cork Company	15	6	.714
Bromo-Seltzer	15	6	.714
Noxzema Chem. Company	13	8	.619
McCormick & Co.	11	10	.524
Penn-Maryland	8	13	.381
Glenn Martin	8	13	.381
Dry Docks	7	14	.333
Fort Howard	7	14	.333

Hoffman-La Roche Leases Executive Office Space Here

Hoffman-LaRoche, Inc., manufacturer of pharmaceuticals, Nutley, N. J., has leased space at 500 Fifth avenue, this city, for executive offices. For several years, the company had its executive offices at Nutley where, also, are located one of the finest and modern pharmaceutical plants in the company. Some year ago, the executive offices were in Cliff street, this city.

Baltimore Veteran Druggists' Association elected Howell W. Allen president, with A. N. Hewing as vice-president, and re-elected A. G. DuMez, who is dean of the School of Pharmacy of the University of Maryland, secretary-treasurer for another term.

Obituaries

Dr. Cary T. Grayson

Rear Admiral Cary T. Grayson, chairman of the American Red Cross, died February 15 of a bronchial infection in his home in Washington, D. C. He was fifty-nine years of age.

Born in Culpeper County, Va., Admiral Grayson worked his way through William and Mary College as a librarian and assistant in the college postoffice. He kept a bookshop for students while he studied at Virginia Medical College and the University of the South. He also was graduated from the United States Medical School. As navy physician, Admiral Grayson was responsible for the health of three successive Presidents of the United States. He retired from the naval service in 1928.

Surviving are his wife and three sons.

Allen H. Rogers

Allen Harding Rogers, former president of the Mining and Metallurgical Society of America, died in a hospital in this city February 14. He was sixty-six years of age.

Mr. Rogers had been closely identified with the early development of copper mines in Mexico and the West, beginning his career with the Phelps Dodge Corporation in Arizona in 1890, the year of his graduation from Massachusetts Institute of Technology. In 1900 he joined the Guggenheim Exploration Company. In 1905 he came to this city as assistant general superintendent for the American Smelters Securities Company. Since 1906 he had been a consulting mining engineer, having been the senior partner in the firm of Rogers, Mayer & Ball, this city. His home was in Brookline, Mass.

Newton Wylie

Newton Wylie, president of Capital Interests, Ltd., mining, Toronto, Canada, died of pneumonia February 15 in a hospital in this city. He was forty-five years of age.

Born in Toronto, Mr. Wylie attended the University of Toronto and Harvard. In his youth he was a reporter and department editor of the Toronto *World*, and from 1911 to 1912 he was agricultural editor of *The Globe*. Mr. Wylie served on the directorate of many Canadian and American gold and silver and oil corporations.

Surviving are his wife, three sons and three daughters.

Robert W. Cist, assistant to the vice-president of Standard Brands, Inc., died of pneumonia, February 15, at his home in Summit, N. J. He was forty-nine years of age. Surviving are his wife and son.

Professor Felix Mesnil, of the Pasteur Institute and a member of the Academy of Sciences, died in Paris, France, February 16. He was sixty-nine years old. He had been a director of the Laboratory of Physiological Chemistry since 1931.

Warner Price, fertilizer producer, Smyrna, Del., died February 12, in a Philadelphia hospital, of septic condition which developed after an operation for the removal of a tumor on the liver. He was forty-one years of age. He was vice-chairman of District No. 3 for the National Fertilizer Association and was also a former president of the Del-Mar-Va Fertilizer Association.

Standard Alcohol Co. Set-Up Is Changed

Operations of the Standard Alcohol Company, a unit of the Standard Oil Company of New Jersey, have been consolidated with those of the commercial department of the Standard Oil Development Company and its offices transferred from 2 Park avenue to 26 Broadway, this city.

At a meeting of the board of directors, February 10, R. P. Russell and J. R. Carringer were elected directors to succeed G. H. Mettan and N. E. Loomis, who resigned. The other directors are Seton Porter, Thomas F. Brown, F. A. Howard, M. B. Hopkins and Chester F. Smith.

M. B. Hopkins, former vice-president, was elected president to succeed F. H. Bedford, Jr., who resigned. Other officers elected by the board were H. W. Fisher, vice-president to occupy Mr. Hopkins' former post; J. G. Park, vice-president, succeeding F. W. Moss, who resigned; secretary, M. H. Eames, and treasurer, R. P. Resor.

Essential Oils, Aromatic Chemicals

Inability to Get Shipments from Abroad Results in Higher Spot Prices on Sweet Almond—Anise Shaded Further—Keen Competition in Artificial Musk

Reports concerning business in essential oils and aromatic chemicals indicated that trade was spotty, orders were usually small, and demand fluctuated rather widely from day to day. The lack of well sustained interest in these entities tended to make the spot market increasingly competitive and hence prices had a tendency to move in favor of buyers with firm orders to place. Actual changes in spot values were not numerous but the items actually firm in price seemed to be few in number.

Sweet almond oil attracted attention throughout the period. Following a period in which quotations had been soft and yielding toward buyers' advantage, the oil entered a period during which advances in quotations were more or less steadily put into effect. Behind the rise in spot prices was the inability of dealers to get shipments from foreign sources of supply.

Anise oil was shaded further, the decline being purely the result of local conditions. Cassia oil was reasonably steady at recently lowered quotations. Anisic aldehyde and anethol remained steady.

Clove oil was the subject of substantial competition and distillers' quotations at lower levels were said hardly to reflect the definitely firm position of raw material. Mace and nutmeg oils held steady.

Peppermint was unchanged. Quotations on spot spearmint were very close to primary market cost. Lime oil was easy and competitive. Citronella tended upward at the source and spot quotations were very close to replacement prices. Wormseed was very firm and export interest was reported to be good.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Almond, sweet, 7c. per lb.

Reduced

Anise, 5c. per lb.
Clove, 5c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
77.5	77.0	78.8	90.2

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond. — Dealers in sweet oil reported inability to secure shipments from the source. Spot quotations were advanced to 68c. to 70c. per pound, and the tendency was to extend the upward movement.

Anise. — Because of purely local conditions, quotations on this article were shaded to $1.05 to $1.10 per pound. Exports from China were still uncertain and the military developments of late have not encouraged importers to believe that normal exports would soon be resumed.

Apricot Kernel. — The spot market ranged 28c. to 32c. per pound, but all dealers were not meeting the minimum figure; some held out for 30c. inside. Business was moderate enough to encourage more competition locally.

Bergamot. — The market was quiet on the spot but fairly steady as to price. The control of values at the source continued to act as a stabilizer of values practically throughout the world and with little regard, on spot, to the fact that actual demand was moderate.

Camphor. — The market was steady on spot and while demand was not large, there was still a fairly regular movement reported in some directions. Quotations lacked quotable change.

Cassia. — While some shading might be possible, open quotations at less than $1.05 to $1.10 per pound were not named in local circles. The market was not active save in a restricted sense and in view of the situation at the source, local dealers were inclined to hold a firm view on the item.

Cedarleaf. — Oil in drums was priced at 72c. to 77c. per pound while in cans the market was 75c. to 80c. Movement was mainly in small lots and hence volume was conservative at the close of the trading period.

Cedarwood. — Southern oil held at 20c. to 23c. per pound in a very quiet market. Conditions appeared to be fairly favorable for buyers with firm orders in hand.

Citronella. — Spot and shipment quotations were almost at parity and the feeling in this market was that some were quoting the article too cheaply when the price was compared with that in Ceylon. Java oil was steady.

Clove. — Competition was very keen. The cost of spice was no lower and, in fact, some indicated that the oil market on spot should be higher if the price of raw material had its full weight in the establishment of values. However, producers quoted drums at 95c. to $1 per pound; cans, 97c. to $1.02.

Croton. — Hand-to-mouth business was noted. Most buyers seemed well supplied and hence interest in the article was irregular and usually small. Prices were about steady.

Eucalyptus. — The position of high test oil was fairly strong because of a lack of normal offerings from the source. Lower test material, on the other hand, continued to be fairly easy in a generally competitive spot market where demand was not very active. Prices were not reduced further on good quality merchandise.

Geranium. — A steadier market prevailed. Prices were already on the low side and as a whole sellers were not inclined to shade them further. The replacement position of the article lacked new development save that it seemed slightly steadier.

Grapefruit. — Well stabilized prices prevailed. Demand was narrow so far as domestic consumption was concerned but there has been a fair export inquiry at times of late. Stocks were not excessive, probable consuming requirements being considered.

Lemon. — Some sellers reported doing a very good business in the Italian article but the very low price on California oil, comparatively speaking, kept that item to the forefront of market interest and the movement was excellent. The foreign market prices were well maintained.

Lime. — Distilled oil ranged $4.75 to $5.50 per pound, while the expressed material was noted over the range $8 to $9.50 per pound. Mexican oil was said to be available at less than the above inside price on distilled material. The demand came to a competitive market.

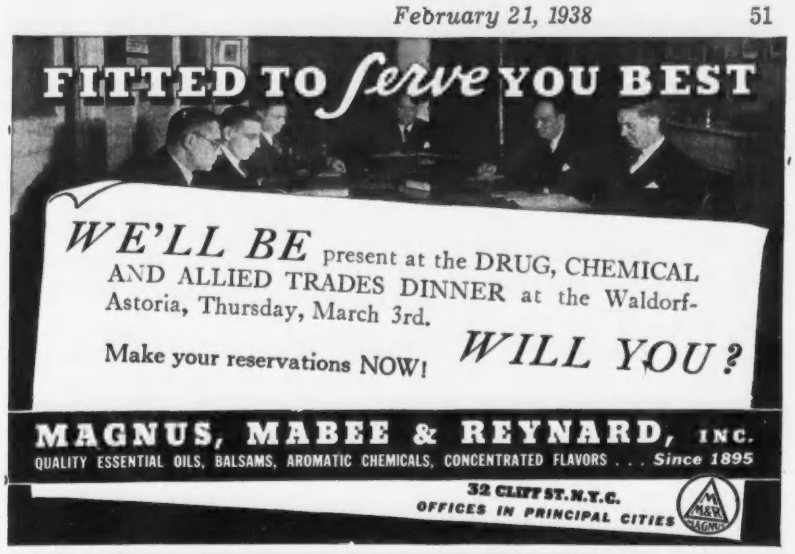
Orange. — A market of routine sort prevailed. Some said that the market was unsettled because of the irregular interest shown in the several varieties of this merchandise. Others reported it to be generally on the firm side. As to prices, the market lacked quotable change.

Sassafras. — Schedule prices were very steady and the undertone appeared to be firm in most quarters. Trade was somewhat routine but a fair number of moderate-sized orders were booked during the period under review.

Spearmint. — Minimum prices on spot were very close to those prevailing in the primary market. The low values locally were the result of purely local conditions, the most aggravating of which has been the not especially good demand on this market in recent weeks.

Tansy. — The market was poorly supplied with stocks and hence values were fully firm in all quarters even though actual needs of buyers were not pressed actively during the past week.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7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STOCKS CARRIED IN PRINCIPAL CITIES

Thyme. — Moderate to fair request was noted and the market prices were fully firm in keeping with the not ample supplies available in foreign markets and the conservative size of local holdings.

Valerian.—Jobbing business was fair. Trade compared well with recent volume and on the whole the market continued to display a steady undertone.

Wintergreen.—The movement of synthetic oil was fair in size and prices on the same appeared still to be well stabilized. Natural oil was in routine request but the market was well maintained as to price and prevailed on a basis in line with quotations at the source.

Wormseed.—Some reported an excellent interest in export quantities and in such directions the market was fully firm. Also, in the primary market a total absence of weakness was reported and the minimum replacement quotation was said to prevail in a single quarter; others at the source held out for higher prices.

Wormwood.—Stocks were said to be sufficient to carry buyers well into the new crop season. Last week, demand was moderate to light but the market continued to display a firm undertone so far as prices were concerned.

Aromatic Chemicals

Amyl Salicylate. — A well stabilized market prevailed on the spot and while orders were not large, they were fairly numerous and totaled a very fair sized volume of transactions by the close of the last week.

Benzylidinacetone. — Business was light and varied rather substantially from day to day. However, the undertone of the market remained steady and competition was not very active.

Bornyl Acetate.—While stocks were not large, they seemed ample to meet the currently light demand from manufacturing consumers. Values were well held and competition was negligible.

Cinnamic Alcohol.—Inquiry was fair and sales were moderate in size. Business done was sufficient to keep intact the recently steady undertone prevailing on the local market.

Diphenyl Methane. — Sales reached conservative totals in most quarters last week. Buyers took out quantities sufficient to cover their immediate necessities, failing to protect the more distant requirement. Quotations held very steady.

Diphenyl Oxide.—Although the market was reasonably competitive, basic prices continued to be well maintained and the trade was inclined to expect a stable position to be maintained for some time to come.

Geranyl Acetate.—A well stabilized spot market prevailed and while demand was not expanded much, if any, last week, it was still fairly steady and contributed to the well held prices noted on spot.

Linalool.—Business was rather quiet. Orders were usually for small lots required immediately but the total of such business was not very great. However, market undertones continued to be steady and prices were maintained.

Linalyl Acetate. — Very fair request was noted. The call came from a fairly broad section of the consuming trade and while orders usually involved quantities conservative in size, they were numerous enough to give the market a very steady undertone.

Menthol.—Prices on spot were far too close to replacement quotations, it was said, but the lack of important demand kept local holders disposed toward competition. Stocks were ample.

Methyl Anthranilate. — Business was light. Buyers were not numerous and the orders came usually from small users of this item. Pricewise, the market continued to be steady in the absence of much competition.

Musk. — Most open quotations were nominal. The market was competitive and prices were usually set on the receipt of definite inquiries that seemed likely to develop into actual sales. The competition prevailing was between imported and domestic material.

Sulphuric Acid Output Gained Sharply in 1937

Sulphuric acid production in 1937 by fifty-eight fertilizer manufacturers amounted to 2,212,217 tons, against 1,746,657 tons in 1936. The amount received from fertilizer manufacturers, including exchange transfers, totaled 356,221 tons, against 312,249 tons in 1936. The amount received from other than fertilizer manufacturers in 1937 was 424,578 tons, against 287,129 in 1936, according to the Bureau of Census.

Consumption by reporting establishments in manufacture of fertilizer totaled 1,943,279 tons, against 1,463,028 tons in 1936. Shipments to fertilizer manufacturers, including exchange transfers, amount to 388,265 tons, compared with 296,627 tons in 1936. Shipments to other than fertilizer manufacturers totaled 644,904 tons in 1937, against 606,911 tons in 1936. Stocks at the end of December totaled 87,290 tons, compared with 71,636 tons on hand at the close of 1936.

Charles Fishbeck Named Robertet & Cie Agent

The Charles Fishbeck Company, essential oils and aromatics, this city, has been appointed sole representative in the United States for P. Robertet & Cie, Grasse, France. The Robertet company has been established in Grasse, France, since 1850, and has been known for forty years in the American market, supplying high quality absolute flower oils, resinoines and French essential oils. The Fishbeck company will carry stocks of Robertet products in this city as well as in the branch offices throughout the country.

Copper Production Gained 27% in 1937

The smelter production of copper from domestic ores in 1937 as determined by the Bureau of Mines from reports of the smelters showing actual production for eleven months and estimated production for December was 1,587,000,000 pounds, an increase of 38 percent over the output of 1,222,819,396 pounds in 1936. The estimated smelter production from domestic ores for December, as reported by the smelters, was 116,000,000 pounds, which is 19 percent less than the average reported for the eleven preceding months.

The production of new refined copper from domestic sources, determined in the same manner as smelter production, was about 1,614,000,000 pounds, compared with 1,290,924,195 pounds in 1936. The output of new refined copper from domestic and foreign sources in 1937 amounted to about 2,113,000,000 pounds, compared with 1,644,977,410 pounds in 1936, an increase of 468,000,000 pounds or 28 percent.

The production of secondary copper by primary refineries increased from 265,829,723 pounds in 1936 to about 320,000,000 pounds in 1937. Thus the total primary and secondary output of copper by the refineries in 1937 was 27 percent higher than in the preceding year—a production of about 2,433,000,000 pounds being reported for 1937 as compared with 1,910,807,133 pounds in 1936.

Plastics History Told In Prior House Organ

The history of plastics is briefly portrayed in the February issue of "Priorities," a pocket-size house organ issued by the Prior Chemical Corporation, 420 Lexington avenue, this city. Recent subjects have been rubber, aromatics, salt, molybdenum, sulphur, cellophane, chlorine and rayon.

U.S. Names Delegates To Chemical Congress

The United States government has accepted the invitation of the Italian government to participate in the Tenth International Congress of Chemistry, which will be held in Rome, May 16 to 21. This meeting will be a regular quadrennial congress of the International Union of Chemistry, one of the affiliated groups, of the International Council of Scientific Unions, in which the United States government has membership.

The delegates named to represent the government in the congress are C. C. Concannon, chief of the Chemical Division of the Department of Commerce, chairman; Edward Bartow, Ph.D., Sc.D., of the State University of Iowa; Norman Bekkedahl, Ph.D., associate chemist in the National Bureau of Standards, Department of Commerce; Marston T. Bogert, Sc.D., LL.D., of Columbia University; Henry A. Gardner, Sc.D., president and director, of the Institute of Paint and Varnish Research; W. A. Noyes, Ph.D., LL.D., Chem.D., Sc.D., of the University of Illinois; Charles L. Parsons, Sc.D., Chem.D., general secretary of the American Chemical Society, Washington; Alexander Silverman, Sc.D., Pittsburgh; W. W. Skinner, Sc.D., assistant chief of the Bureau of Chemistry and Soils, Department of Agriculture; John W. Turrentine, Ph.D., of the American Potash Institute; E. R. Weidlein, Sc.D., LL.D., director of Mellon Institute, and president of the American Chemical Society.

Silicosis Damage Suit Gets New Trial Order

OPD Washington Bureau
February 14, 1938

The Supreme Court of the United States today sent back to the lower court for a new trial a suit against the Grasselli Chemical Company for personal damages resulting from the death of George Maty, an employee who claimed to have contracted silicosis. The suit was brought by Susie Maty, administrix of the estate.

Because of diversity of citizenship, the suit was removed from the New Jersey State court to the Federal district court for New Jersey. The plaintiff had been employed in the company's plant in Grasselli, N. J., prior to November, 1933. The original suit stated that the plaintiff inhaled injurious substances while working in the silicate department of the plant, but in an amended complaint it was also stated that he worked in the phosphate department. The trial court rejected the complaint on the grounds that the amendment constituted a new suit and was barred by the New Jersey statute of limitations which requires suits of this character to be filed within two years of the injury.

The supreme court sent the case back for trial on the ground that the amendment did not change the plaintiff's cause of action, stating:—

The original complaint in this cause and the amended complaint were not based upon different causes of action. They referred to the same kind of employment, the same general place of employment, the same injury, and the same negligence.

Montecatini Names Agent For Mercury Salts in U.S.

The Montecatini Works, the largest chemical manufacturer in Italy, has entered the world markets with its production of mercury salts and has appointed A. G. Dal-Brun, of 105 West 40th street, this city, its exclusive sales representative.

The Montecatini company has acquired the Schiapperelli plant in Settimo Tourinesse, a company identified with the production of quicksilver derivatives. Following the purchase, the Schiapperelli concern was turned over to the S. A. Farmaceutici Italia, one of the divisions of the Montecatini Works. An enlargement of the factory has provided a monthly output of fifty tons of mercurial salts.

Shipments have been made to the United States and stocks of calomel, corrosive sublimate, yellow and red mercury oxide, and other mercury salts are being carried in bonded warehouses.

Mr. Dal-Brun states that he is not new in the chemical trade in this country, having served the French and Italian governments in a purchasing capacity during the World War.

J. B. Cotton has been elected a director of the Inspiration Copper Consolidated Copper Company.

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When added to ordinary stearate cream it imparts not only the mat effect on the skin but produces better consistency in the cream and a better capacity for emulsification.

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Petroleum Solvents, Lubricants, Fuels

Naphthas Continue Dull—Paraffin Wax Prices Are Soft—Gasoline Stocks in Storage Mount—Domestic Oil Reserves at Record High

Industrial raw materials derived from petroleum passed through another week of dullness and buying inattention. Naphthas, which should be showing some essence of seasonal interest, were still reported as having been slow albeit the February deliveries from refineries were perhaps better than those of the same period last month. Naphtha prices seemed free from disturbance except in the middle West where some price troubles were reported but were not considered serious to the security of the general price level.

Paraffin wax continued soft and prices for scale wax hovered near the two-cent mark. There were no further reductions in fully refined paraffin. Petrolatum and white mineral oils were also free from further change, and, spent the week in quiet fashion despite the recent reductions in price. Putty oil was another industrial product that was quiet and unchanged in price.

The basic situation did not show much improvement and further well shutdowns may result. Or perhaps, a reduction in crude prices. The gasoline stocks in storage continued to mount, according to the latest A.P.I. reports and were 13,000,000 barrels higher than they were at this time last year.

Daily average production of crude oil in United States for the week ended February 12 was 3,324,500 barrels, an increase of 8,050 barrels over the preceding week's average, according to the estimate of the American Petroleum Institute. The average for four weeks ended February 12 was 3,376,200 barrels and the average at this time a year ago was 3,286,050 barrels. Runs of crude oil to stills were reported to the A.P.I. by companies controlling 89 percent of the nation's refinery capacity as having averaged 2,869,000 barrels for 77.5 percent of operation during the week ended February 12. An additional 281,000 barrels were estimated to have been sent to stills unreported for a total estimated average of 3,150,000 barrels daily against 3,155,000 barrels in the preceding week.

Proved petroleum reserves of United States reached a new high of 15,507,268,000 barrels on January 1, according to the A.P.I. The estimate makes no allowance for possible reserves in untested areas, the report stated, representing only the amount of crude oil which may be extracted by present known methods from fields now completely developed or drilled, or sufficiently drilled and explored to permit of reasonably accurate calculations. The new total is 2,443,868,000 barrels greater than was reported by the committee as of January 1, 1937, and more than 3,330,268,000 barrels greater than was reported as of January 1, 1935.

Solvents and Diluents

Although the deliveries of naphthas and solvents into consuming channels during February to date have aggregated to a larger volume than the business done in the same period of January, the best business was being done in the middle West. Pricewise, the markets for solvents did not contain much in the way of new developments. Chicago reported some disturbances but not of a major nature.

Petroleum Thinners.—The paint manufacturing trade's interest in the market was still small albeit the business done this month was in excess of that during January. Prices continued in an unchanged position at the Eastern, middle Western and Midcontinent refinery points.

Rubber Solvents.—In company with other solvents, the demands have been stepped up over the January levels, but the movement into the Akron district was still described as spotty. Prices for tankcar lots at refineries and for tankwagons at principal distributing points, continued unchanged. Crude rubber consumed by U. S. manufacturers in January totaled 29,429 long tons against 29,160 long tons in December and 50,818 long tons in January last year.

Stoddard Solvent.—Buyers' needs of supplies were small. The tankcar movement out of Eastern and Midcontinent refineries has been very spotty. Prices continued through the week without change.

V. M. & P. Naphthas.—The Eastern market seemed to have been in a fairly steady position but the reports from the middle West indicated that there were some disturbances there albeit they were not serious. Latest reports from the Far West indicated that price steadiness existed there.

Markets at Other Centers

Chicago, Feb. 17.—Trade in petroleum solvents and diluents seems to be following the pattern laid out for some time in the past. With a few exceptions price troubles are not much of a factor at this time. Prices have been rather steady and are holding well. Inquiries are being received at a good rate. Ruling prices in tankcar lots except as noted are (tankcar prices, f.o.b. Group 3, Oklahoma):—Blending naphtha 4c. to 4¼c. per gallon; cleaners' naphtha, 7⅜c. to 7½c., tankcar; 17.2c., tankwagon; petroleum spirits, 6⅜c. to 6½c., tankcar; 15.9c., tankwagon; rubber solvent, 7⅜c. to 7½c.; lacquer diluent, 8⅜c. to 8½c.; Stoddard solvent, 6⅞c. to 7c., tankcar; 15.6c., tankwagon; V. M. & P. naphtha, 7⅜c. to 7½c., tankcar; 16.2c., tankwagon.

Tulsa, Feb. 17.—The quotations for solvents were unchanged with very little interest and the movement slow in all grades. Stoddard cleaners and v.m.p. naphthas were all quiet.

Lighter Fractions

Petroleum solvents in the lighter group of fractions did not possess much worthy of comment last week. The market's performance was a routine one and the prices continued at the levels that have been in force for some time back.

Butanes. — Conditions surrounding this item were without change. Demands were routine and prices for 16-34 degree material ranged from 2¼c. to 3¾c. per pound, according to the number of cars taken per month. These quotations were for tankcar quantities, f.o.b. Group 3.

Hexanes. — The schedule that has been in force for some months back was still quoted by the suppliers. Tankcars of normal grade material were priced at 10½c. per gallon, basis Group 3.

Petrolatums and Waxes

White Mineral Oils.—The new and lower prices for domestic and foreign oils did not stimulate ordering. The market was described as having been slow last week although the aggregate of deliveries in February was believed to have been better than the sales for the same period of last month. Pricewise, the market seemed steady at the reduced levels established a week ago.

Paraffin Waxes.—The scale wax market lingered around the 2.05c. to 2.10c. per pound level which was established for either 122-124 or 124-126 A.m.p. wax at the close of the preceding week. Buyers were not interested in the quotations and some of the sellers indicated that a 2c. market might be seen soon. The reductions in fully refined waxes a week ago were not extended last week, but there was no buying support. Quotations for slabs in bags, basis carload lots, f.o.b. New York, were as follows:—123-125, 4.30c. per pound; 125-127, 4.35c. per pound; 128-130, 4.45c. per pound; 130-132, 4.55c. per pound; 133-135, 5c. per pound; 135-137, 5¼c. per pound; 138-140, 6c. per pound, and 143-145 ,7c. per pound.

CHICAGO, Feb. 17.—Refined paraffin wax was reported in fair condition at this time. Buying is up to expectation of most sellers, and the tone is stated to be good. Inquiries are being received. Stocks do not appear to be causing much market difficulty now. Ruling prices are:—122-124, 4.65c. to 4.75c. per pound; 125-127, 4.9c. to 5c.; 127-129, 5.05c. to 5.15c.; 130-132, bulk or bag, 5.45c. to 5.55c.; 132-134, bulk or bag, 5.7c. to 5.8c.

TULSA, Feb. 17.—Prices were unchanged. Some plants are offering 124-26 American crude for 2.10c. to 2.15c. per pound. Buyers control the market due to the seasonal slack. Some plants have shut down but the offerings from the East continue to come in.

Petrolatum.—The market occupied a very quiet position. Since the cut in prices a few weeks ago, trade has moved in a very spotty fashion. Car lot business was rarely reported around the market, and most of the week's business was constituted by small-sized deliveries against contracts. The prices seemed steady at the recently lowered levels.

Fuels and Lubricants

The Eastern refined oil market continued in a soft position, reflecting the uncertainties in the Midcontinent sector. The well shut-downs in East Texas have not been as effective as generally desired, and stocks of gasolne continued to mount. According to the Tulsa report, the larger companies were not pushing their fuel onto the market, and most of the offerings for liquidation come from the smaller factors. The cold weather in midweek caused a little spurt of activity in the fuel oils in the Atlantic seaboard sector, but a sustained cold spell is needed to lift the market from its present slough.

Gasoline Price Changes

LONDON, Feb. 18.—The price of petrol was reduced ½d. per gallon today.

Market Conditions

Gasoline. — Although leading sellers continued to quote 65 octane material at 7c. per gallon, there were plenty of offerings reported at 6½c. per gallon for tankcar lots, basis refinery. The shut-down of some of the small refineries in East Texas may help the situation, but there has been very little improvement to date, and gasoline stocks in storage continued to mount. Latest A. P. I. statistics showed 87,813,000 barrels in storage, against 86,484,000 barrels in the preceding week and 74,415,000 barrels at this time a year ago. The retail markets in the New Jersey area were sloppy. Export activity at the U. S. Gulf was very small. The prices continued in an unchanged position, with 4 15-16c. per gallon for U. S. motor. All other export grades at the Gulf were quoted at the basis of 5c. per gallon.

Kerosene.—The spot tankcar market was very quiet, with unchanged prices at 6c. to 6⅛c. per gallon for 41-43 water white material, basis refinery. Buyers did not evidence much interest in the market's progress. The export market at the Gulf was a shade weaker, with prime white offering at 4½c. per gallon, a reduction of ¼c.; water white was quoted at 4¾c. per gallon flat, against 4¾c. to 4⅞c. per gallon a week ago.

Fuel and Gas Oils.—There was a little spurt of activity during the two cold days of last week, but interest seemed to taper off toward the close of the week. The livelier activity in midweek did not strengthen the market by much, and a sustained cold snap is what is needed to stiffen the market. Tanker transportation rates tended downward, another factor that could contribute to the present softness.

Lubricating Oils.—The Pennsylvania oil market did not change its position last week. The market idled through most of the week, and buying was hand to mouth.

Markets at Other Centers

Tulsa, Feb. 17.—Because natural gasoline is the lowest-priced this product has been moving in large volume from all points of the Midcontinent to jobbers in the Mississippi valley and the North Central states. The demand for the 26-70 is probably the largest that has been witnessed for many months. This demand is in contrast to the sluggish tone of other products in the refined oil market. Even distillates which are normally in seasonal demand at this time show easiness and slower movement.

In fuels, particularly industrial grades, there appears to be no interest shown by buyers and very few inquiries are being received by refiners. In the heavier railroad product there is a surplus that is being rapidly built up and a number of

Outputs and Quotas

A comparison of Bureau of Mines calculations for February production, State allowable quotas where they exist and the American Petroleum Institute's estimate, of crude production for the week ended February 12 follows:—

	B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma ..	569,700	*500,000	511,100
Kansas	176,400	176,400	179,300
Texas	1,365,700	†1,405,240	1,235,600
Louisiana ..	239,400	244,709	255,350
Arkansas ...	36,800	.....	47,100
Eastern	130,000	.....	139,000
Michigan ...	52,800	.....	50,300
Wyoming ...	51,800	.....	46,000
Montana ...	12,400	.....	13,400
Colorado	4,400	.....	4,250
New Mexico.	105,100	105,100	106,100
California ..	693,700	‡693,700	737,000
Totals	3,438,200	.....	3,324,500

* Original February allowable of 535,000 barrels reduced to 500,000 barrels retroactive to February 1.

† Allowable effective January 15. The state-wide Sunday shut-down order which has been in effect since January 23 reflects itself in the Texas figures above. This Sunday shut-down order will remain in effect through February 27.

‡ Recommendation of Central Committee of California Oil Producers.

The State of the Petroleum Market

There were no changes in crude oil prices last week. Gasoline at the refinery points was in a weak position.

	Feb. 18	Feb. 11	Last Year
Crude petroleum prices at well (average for ten fields) per barrel	$1.322	$1.322	$1.354
Gasoline prices at refineries (at four refining centers) per gallon	.043125	.043125	.0571875

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

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Petroleum Production—Motor Fuel Stocks

	Barrels	
	1938	1937
	Jan. 1-Feb. 19	Jan. 1-Feb. 19
Commercial crude oil production	169,210,000	159,180,000
	Week ended Feb. 19, 1938	Week ended Feb. 20, 1937
Daily average production	3,312,200	3,264,900
	Week ended Feb. 12, 1938	Week ended Feb. 5, 1938
Estimated motor fuel stock total	87,813,000	86,484,000
Estimated finished motor fuel stock at refineries	55,971,000	54,261,000

refiners are shading their quotations freely in order to obtain movement.

The motor fuel market turned quiet and consumption is apparently at a lower level this week. Offerings do not appear to be made more freely despite the heavy accumulation of inventories. Most of the inventories are at the larger plants as the number of smaller plants shut down is steadily increasing. The large refiners say they have been forced to run heavy charges through stills because of their requirements of domestic fuels. They are not offering their gasoline on the market consequently no further weakness has been shown this week.

In practically every department of the market quotations are unchanged. Kerosene remains in the same condition with the demand fair. Heavy rains in the Middlewest placed land in a better condition and plowing is expected to become more brisk in the coming weeks.

The one uncertain element in the oil markets is the position of crude. Because of additional refining plants shutting down and the general recession in business, the demand contracted further. In East Texas, one observer, sees only 4 plants in operation as compared with 15 normally. This shutting down has caused the backing of crude at well connections. This surplus is also endangering the price. There is more talk in the area of a possible reduction to eliminate the premium that has been paid for this oil over the average Midcontinent grade amounting to 8c. per barrel. There is also a large volume of the crude being stored on the Gulf Coast awaiting shipment.

GASOLINE.—Quotations remain at 3⅝c. to 3⅞c. resale, for the U. S. motor, low octane, with most of the trading effected at 3¾c. per gallon. The 63-66 is 4⅛c. to 4⅜c. per gallon. The 67-69 is 4¼c. to 4½c. per gallon. And the 70-72 product continues at 4⅜c. to 4⅝c. per gallon. The Q product is 4½c. per gallon.

NATURAL GASOLINE.—The large volumes of orders has had a stabilizing influence and has apparently checked the decline. The 26-70 is being quoted at 2c. to 2⅛c. per gallon in the Texas and Oklahoma markets while the 22 pound is 2⅜c. per gallon and the 18 pound to 2½c. to 2⅝c. with the 14 pound 2¾c. to 2⅞c. per gallon.

KEROSENE.—The 41-43 grade is 4⅛c. to 4⅜c. per gallon while the 42-44 is 4¼c. to 4½c.

DISTILLATES.—The 38-40 prime white is still 3⅞c. to 4c. and straw 3¾c. to 3⅞c. per gallon. The quotation is 3⅝c. to 3⅞c. on the 32-36 grade and the low gas oils are 3⅜c. to 3⅝c. per gallon.

FUEL OILS.—Some risiduals have been offered for 50c. while the average offering is between 60c. to 65c. per barrel. The higher gravities are being offered at $1.05 to $1.10 per barrel for the low cold test of 24-28 and 80c. to 87½c. per barrel is offered for 18-22.

Chicago, Feb. 17.—A definitely better tone has developed in the tankcar gasoline market, including both motor and natural gasoline grades. So many refineries in the principle central supplying area have been shut down in the last few weeks that supplies have been notably restricted, and buyers are now finding it necessary for the first time in a long period to inquire and bid for material. Those sellers remains in the markets as sources are taking a strong pricing attitude. Consumption has held up fairly well for the winter. Kerosene is steady but quiet. Prime distillate is a little easier, but good zero oils are in demand. The heavy industrial fuels continue weak. Lubricating oils are now exhibiting a more stable trend.

GASOLINE.—Low octane motor, 4c. to 4⅜c. per gallon; 63-66 octane motor, 4⅜c. to 4⅝c.; 67-69 octane motor, 4⅝c. to 4⅞c.; 70-72 octane motor, 5c. to 5⅜c.; 60-62 gravity, 400, 4c. to 4⅜c.; 64-66, 375, 4¾c. to 5c.; 68-70, 360, 5c. to 5¼c.

KEROSENE.—42-44, water white, 4⅜c. to 4⅝c. per gallon; 41-43, water white, 4⅛c. to 4⅜c.

FURNACE OILS.—No. 1 prime white, 4c. to 4¼c. per gallon; No. 2 straw, 4c. to 4⅛c.; No. 2 straw, 3⅞c. to 4c.; No. 2 dark, 3¾c. to 3⅞c.; No. 3, 3⅝c. to 3¾c.; 32-36, dark, industrial gas oil, 3c. to 3⅛c.

FUEL OILS.—No. 4, $1.10 to $1.15 per barrel; No. 5, 80c. to 87½c.; No. 6, 72½c. to 80c.

New Orleans, Feb. 15.—Steadiness continued to prevail in the domestic market, with no change in quotations which have been in effect for the past few weeks. Foreign inquiries and exports were good. U. S. motor gasoline was quoted at 5½c.; U. S. motor below 62 octane at 5½c.; 63-67 octane at 5⅞c. and 68-70 octane at 6⅜c.—all per gallon at refinery.

Kerosene continued steady at 7½c. per gallon at refinery.

Bunker C fuel oil was quoted at 95c. per barrel at terminal and $1 per barrel delivered alongside, while industrial plants in this vicinity were quoted on a basis of $1.46 per barrel, delivered.

Gasoline Trust Charges Repeated in New Suit

The Department of Justice will press charges against twenty-four oil companies and forty-six individuals next Fall. The case will be brought to trial on an indictment returned by a Federal grand jury in Madison, Wis., December, 1936. The indictment charges the companies with fixing uniform margins of profit for gasoline jobbers in ten mid-Western States. Those indicted include the sixteen companies and twenty-five individuals convicted January 22 in Madison on charges of conspiring to fix the wholesale price of gasoline.

One of the accusations states that representatives of the oil companies held conferences over a period of years at which they agreed upon unfair practices in dealing with gasoline jobbers. The indictment further claims that these meetings, usually held in a Chicago hotel, were presided over by Charles E. Arnott, vice-president of the Socony-Vacuum Oil Company, who was one of the thirty individuals found guilty of price-fixing last month. The indictment estimated that about 4,000 jobbers were engaged in the gasoline business in the affected areas. The department is also investigating charges of gasoline price fixing in Eastern States, but it probably will be some time before this case is ready for action. Early results are expected from an investigation said to be well advanced into charges that major oil companies on the west coast have violated the terms of a consent decree entered in 1930 relating to gasoline price fixing.

Trade News Briefs

Standard Oil Company of Kansas proposed to reduce its authorized capital stock to 138,000 shares from 320,000 shares.

O. B. Lloyd has been named general sales manager for the Continental Oil Company, with headquarters in Ponca City, Okla.

Francis E. Powell, jr., has been named general manager of the marine sales department of the Socony-Vacuum Oil Company.

Valvoline Oil Company directorate has been increased to fourteen members. The new members are G. Carlton Hill and R. B. Smethurst.

Royal Dutch Petroleum Company has been granted an oil concession in northwestern Java on 806,000 hectares by the Dutch colonial government.

Atlantic Refining Company's Reading plant was the scene of an explosion of a 1,000-gallon gasoline storage tank January 22. One workman was injured.

Richfield Oil Corporation has made its first semi-annual sinking fund payment of $150,000 to the Security First National Bank of Los Angeles, trustee, in compliance with the indenture securing the fifteen-year debentures of 1937.

Anglo-American Oil Company, Ltd. has increased the authorized capitalization from 10,000,000 to £12,500,000. Of the total of 5,335,590 shares, 5,288,288 shares have been issued fully paid to the Standard Oil Company of New Jersey.

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Fertilizer Materials

Farm Control Bill Enacted—President Asks Farmers to Govern Current Plantings Under Light of New Law—January Tag Sales Higher

The farm control bill, formally known as the agricultural adjustment act, was signed by President Roosevelt, Thursday, after having passed the Senate Monday. The act will be placed into operation as quickly as possible and the President appealed to farmers to govern their current planting in the light of the new law so that its objectives would be achieved this season. Secretary Wallace, who will police the program, is prepared to offer the farmers an opportunity to express themselves on the control provisions of the new act within thirty days.

Local fertilizer materials' dealers did not have much of an understanding of the new act, according to the opinions expressed last week. When the designs of the measure are converted into theoretical terms of fertilizer consumption, the operators here did not seem to know whether the effect would be beneficial or adverse. Curtailed acreage should curtail fertilizer application but on the other hand, the soil-conservation provisions of the act should make possible the use of fertilizers.

The enactment of the measure came just at the time when planting operations in the South were beginning. Very favorable weather conditions during the past two weeks have advanced plowing and soil preparation, and the dry mixers have started to order in supplies.

January's tag sales which account for about 8 percent of the year's total in the South and about 3.3 percent of the annual total in the Midwest, were 7 percent greater than January last year, having been equivalent to 468,340 tons in 17 states against 438,326 tons in January last year, according to the N.F.A. report. Details of tag sales are contained in the accompanying table.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Blood, import., 5c. per unit-ton.
Hoof meal, Chicago, 20c. per unit-ton.
Tankage, dom., Chicago, fert. grade, 10c. per unit-ton.
New York, unground, 10c. per unit-ton.
import., 5c. per unit-ton.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of a normal of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.0	67.0	66.7	64.0

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Nitrate of Soda.—The calls for deliveries have been coming into the market in larger numbers as each passing week marks further progress into the shipping season. There has been a moderate improvement in the volume and frequency of the demands each week since the beginning of the month. However, the deliveries are quite a bit smaller than they were at this time a year ago. The price situation continued steady at the schedule. Imports of nitrate for the calendar year, 1937, were 704,247 short tons against 529,015 tons in 1936; the 1937 exports of "other nitrogenous chemicals," which are interpreted as being principally domestic nitrate of soda, totaled 20,278 tons against 16,057 tons in 1936.

Sulphate of Ammonia.—The smaller and intermediate-sized fertilizer producers were issuing delivery instructions in fairly active fashion now. While deliveries are being made in the Northern markets with reasonable promptness, there have been some delays in the South, where the mill supplies were light and where the demands for shipment were more active than in the North. Prices continued strong at the schedule, which is based at $29.50 per ton for material in bulk. Sulphate exports for the calendar year, 1937, totaled 82,795 tons against 118,476 tons in 1936; imports in 1937 were 92,795 tons against 171,666 tons in 1936.

Dried Blood.—Imported material for February shipment from abroad was reduced further last week with offerings at $3.25 per unit against $3.30 per unit a week ago. The New York market was firm with additional sales reported at $3 per unit. The Chicago situation was mixed, with some grades available at $3 per unit-ton, but the best grades were holding around $3.20 per unit-ton.

Castor Pomace.—The position of this material is tight. Prices continued at $21 per ton, f.o.b. domestic producing points or in the case of foreign material, c.i.f. ports. Domestic suppliers were not offering this side of April delivery.

Fish Scrap.—Reported offerings of futures from Florida were not attracting much attention from the trade. The position of Japanese sardine meal was not materially changed during the week and $46 per ton was quoted for shipment from abroad, while the spot or nearby market ranged from $46.50 to $47 per ton, basis c.i.f.

Hoof Meal.—The Chicago market was reduced further last week when offerings were reported at $3 per unit, a reduction of 20c. per unit-ton.

Nitrogenous Material.—Imported material was still offering here at $2.65 per unit-ton, basis c.i.f., but there was very little buying interest in the article. The domestic market was also unchanged in price and there was very little material traded.

Tankage.—South American was reduced 5c. last week to the basis of $3.20 and 10c. per unit-ton for shipment from abroad, basis c.i.f. The market for unground in New York was 10c. cheaper at $2.80 and 10c. per unit-ton, while the fertilizer grade material in Chicago was priced at $2.65 and 10c. per unit-ton, a reduction of 10c. per unit-ton from the preceding week.

Potashes

The market for agricultural potashes was very quiet and the operators in the market were marking time in the advent of the spot season. While the outlook for the spot shipping season does not look very promising, some believe that buyers who conceled a portion of their commitments may have been over-cautious at the time and may have to do some additional spot ordering later in the season. The price situation continued firm. A comparison of 1937 and 1936 imports of potash materials compiled by the N.F.A. from the Department of Commerce statistics follows:—

	Short tons 1937.	Short tons 1936.
Muriate	417,682	235,959
Kainit, 14 percent	974	1,616
Kainit, 20 percent	129,051	57,675
Manure salts, 30 percent	44,969	39,053
Sulphate	94,420	59,578
Magnesia-sulphate	22,275	13,610
Nitrate	17,162	65,941
Soda nitrate-potash mixt.	58,921	*
Other potash materials	255	279
Totals	785,649	473,711

* Not stated separately in 1936.

Phosphates

Phosphatic chemicals were very quiet last week. The deliveries of superphosphate to the small dry mixers in the South have picked up appreciably, but otherwise there was not much life in the market.

Bone Materials.—Prices for the imported and domestic bone products held unchanged last week under nothing more than a cursory interest from the buyers.

Superphosphate. — The deliveries from Southern producing points were showing activity now as the small dry mixers were coming to market. Prices continued in a firm position at the basis of $8.50 per ton run-of-pile basis, 16 percent and $9 per ton for guaranteed 16 percent material.

Sulphur and Pyrites

Total sulphur production in Louisiana and Texas during 1937 exceeded that of recent years by a wide margin, totaling 2,679,453 long tons against 2,012,003 long tons in 1936, according to the severance tax payments made by operators in those States. The 1937 production in Texas was 2,341,798 long tons against 1,723,904 long tons in 1936 and 1,253,813 tons in 1935. The Louisiana output in 1937 was 337,655 long tons against 288,099 long tons in 1936 and 373,283 long tons in 1935. The production by quarters in Texas and Louisiana were as follows:—

	Long tons Texas.	Long tons Louisiana.
First	475,924	53,915
Second	570,633	63,385
Third	656,614	113,510
Fourth	638,027	106,845

Markets at Other Centers

Atlanta, Feb. 17.—Local observers estimate that there will be a reduction of 15 percent in the sale of fertilizers in the South this year.

Fertilizer materials are moving in a fairly active manner but characterized as "spotty." An improvement is reported in the movement of nitrate of soda. Cottonseed meal is active, likewise superphosphate. The heavy exchange of cottonseed for cottonseed meal by the southern farmers is taken to mean that there will be more than the usual amount of home mixing of fertilizers this season.

Organic ammoniates of various sorts are reported to be in fairly active demand in the South, some larger buyers having entered the market late.

Quotations of this market are as follows:

SUPERPHOSPHATE.—$9.60 per ton, interior producing points.

NITRATE OF SODA.—Bulk, port basis, $27 per ton.

SULPHATE OF AMMONIA.—$29.50 per ton, port basis.

COTTONSEED MEAL.—$24 per ton, interior mill points.

BLOOD.—Foreign, $3.50 per unit, ports; $3 to $3.10, Chicago.

TANKAGE.—Foreign, future shipment, $3.40 and 10c. per unit ton, ports; $2.80 and 10c., Chicago, basis.

NITROGENOUS.—Imported, $2.70 per unit, port basis.

Baltimore, Feb. 17.—Demand for mixed goods continued light. Forwardings are more or less behind the calendar and indications now are that business will fall below last year, anywhere from 12 or 15 to 20 percent. Current quotations were as follows:—

FISH SCRAP.—Sellers of Florida meal ask $45 per ton f.o.b. Jacksonville for April-May shipment, with practically no buying interest shown. Menhaden meal is quoted at $53 per ton basis Baltimore, with Japanese sardine meal at $46.50 per ton.

TANKAGE.—$3 per unit-ton for ground and $2.80 per unit-ton for unground high grade material, with low grade stocks held at about $2.60 per unit-ton.

BLOOD.—$3 per unit-ton.

SUPERPHOSPHATE.—$8.50 per ton for run of pile and $9 per ton for 16 percent guaranteed, c.a.f. basis Baltimore.

GARBAGE TANKAGE.—$7.50 to $7.75 per ton at shipping point, which would make the market here approximately $11.50 to $12 per ton.

BONE.—$22 per ton for 1 and 60 stocks, $24 per ton for 3 and 50 ground steamed and $30 per ton for 4½ and 50 ground raw supplies.

Chicago, Feb. 17.—Demand for fertilizer

Fertilizer Tag Sales: January

	P.C. of 1937.	January 1938.	January 1937.	Equivalent tons* January 1936	P.C. of 1937.	July-January 1937-38.	July-January 1936-37.	July-January 1935-36.
South—								
Virginia†	120	48,064	40,202	19,896	95	155,634	164,564	132,250
North Carolina	97	108,106	111,323	98,568	108	231,252	214,960	181,114
South Carolina	99	63,798	64,313	43,750	95	107,420	113,251	79,328
Georgia	71	33,450	47,136	42,975	73	58,095	79,234	55,951
Florida†¶	112	77,777	69,203	62,105	106	355,150	336,540	262,946
Alabama	121	32,100	26,450	22,150	132	44,460	33,750	31,250
Mississippi	93	29,905	32,187	15,250	82	33,131	40,323	26,500
Tennessee†	170	3,921	2,300	2,475	93	28,928	31,190	23,771
Arkansas‡	158	9,850	6,250	6,650	116	12,600	11,375	9,550
Louisiana†	199	23,133	11,645	17,624	127	48,679	38,340	36,417
Texas†	148	13,690	9,235	9,690	136	29,179	21,502	19,457
Oklahoma	159	2,710	1,700	750	160	4,445	2,775	1,755
Totals, South	106	446,504	421,944	341,793	102	1,108,973	1,087,804	860,289
Midwest—								
Indiana	59	4,025	6,863	2,525	98	143,301	145,589	105,050
Illinois	50	2,075	4,175	3,256	77	14,981	19,338	11,370
Kentucky	484	13,370	2,763	4,980	168	42,551	25,306	18,246
Missouri	90	2,276	2,536	8,623	75	53,300	71,424	48,870
Kansas	200	90	45	15	123	13,422	10,125	6,379
Total Midwest	133	21,826	16,382	19,399	98	267,564	271,782	189,915
Grand totals	107	468,340	438,326	361,192	101	1,376,537	1,359,586	1,050,204

* Monthly records of fertilizer tax tags are kept by State control officials and may be slightly larger or smaller than the actual sales of fertilizer. The figures indicate the equivalent number of short tons of fertilizer represented by the tax tags purchased and required by law to be attached to each bag of fertilizer sold in the various States.

† Cottonseed meal sold as fertilizer included.

‡ Excludes 50,900 tons of cottonseed meal for July-January combined, but no separation is available for the amount of meal used as fertilizer from that used as feed.

¶ Includes 39,225 tons of phosphatic and lime materials for July-January combined.

(Compiled by the National Fertilizer Association)

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

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materials was limited. A trend toward caution again is making itself evident among buyers. Buying in blood and some other products is mostly confined to orders for limited amounts, for which prompt shipment is requested. Tankage is quiet, and moving in fair quantities in routine fashion. The bone materials reflect a continuing fair show of interest from purchasers, with prices in several instances tending a little lower, and with some price shading reported.

BLOOD.—Principal grade, $3 to $3.25 per unit of ammonia.

TANKAGE.—High grade, ground, $2.70 to $2.75 and 10c.; low grade, $15 to $16; liquid stick, $2.40 to $2.50; hoof meal, $3 to $3.25.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $18 to $19; 3 and 50 percent, $19 to $20; 4½ and 50 percent, $26 to $29; grinding hoofs, pigs' toes and waste horn materials, $35 to $40, mostly nominal; cattle jaws, skulls and knuckles, $17 to $18; pork cracklings, soft pressed, $40 to $50; beef cracklings, soft pressed, $35 to $40; hard pressed cracklings, per unit of protein, 62½c. to 65c.

Hazardous Trucking Ferry Service Offered

—*Continued from page* 5

truck, and $2.50 a round-trip for a trailer or a semi-trailer. Only round-trip tickets will be obtainable.

A questionnaire now being circulated by the Elizabeth chamber among the companies manufacturing or trucking dangerous articles requests co-operation to the extent of specifying the number of trucks and the time of day when such trucks would require transportation across the Hudson river. Companies not receiving a questionnaire are asked to state their requirements, or have the organization doing their trucking forward the above data immediately to S. B. Magee, executive secretary of the Elizabeth Chamber of Commerce, Winfield-Scott hotel, Elizabeth, N. J. All information submitted will be tabulated and the derived data given to the Lackawanna railroad for use in formulating definite schedule and rates for the service.

A tentative schedule, drawn up from information available at this time, indicates that the daily service, excepting Saturdays and Sundays, which can be put in effect March 1, is as follows:—

Leave Hoboken.	Leave Christopher street.
7:15 a. m.	7:30 a. m.
9:45 a. m.	10:00 a. m.
10:15 a. m.	10:30 a. m.
10:45 a. m.	3:00 p. m.
3:15 p. m.	3:30 p. m.
3:45 p. m.	4:00 p. m.
4:15 p. m.	4:30 p. m.

It is said that the number of trips scheduled and the cost for a truck for a trip will be adjusted in keeping with the demand for the service.

Fuel Oil Tax Perturbs Congress

—*Continued from page* 5

Roosevelt said that the data were sent to the committee "because there has been raised the question of placing a small tax on crude petroleum." The Boland-Flannery proposal, however, is for a tax on fuel oil and not on crude petroleum, but when asked to explain this discrepancy, the President declined to state whether it was an error or whether the administration is considering a tax on crude petroleum as a conservation or revenue-raising measure. It was learned later that the Department of the Interior is still preparing more material with reference to the fuel oil tax proposal and that another report will be sent to the White House probably within a week.

While the President did not indicate the extent of his interest in the proposed tax, his memorandum to Chairman Doughton declared that "the report in regard to reserves was somewhat more alarming than I had previously believed." The McCoy report predicted that, at present rate of consumption, the drilled petroleum reserves will be exhausted by November, 1941. Representative Boland declared that he received great encouragement from this memorandum from the President, and he and Mr. Flannery have sent to all members of Congress a pamphlet presenting arguments in support of a tax on fuel oil. Unless the President actively supports such a tax it is not expected that the ways and means committee will include the Boland-Flannery amendment in the new revenue bill now being put into final form, but the two Pennsylvania congressmen have declared that they will make a determined effort to have their tax added as an amendment when the bill is debated on the floor of the house.

Oil Companies Post Mexico Wage Bond

Foreign oil companies have posted a bond in Mexico with a subsidiary of the National Bank of Mexico, guaranteeing that their employees would suffer no losses through the companies' appeal to the Mexican Supreme Court against a decision recently handed down awarding the workers wage increases amounting to $11,180,000. The amount of the bond was $834,000.

Through the posting of the bond the companies are relieved of the necessity of paying the wage increases while the appeal is pending. It also protects the companies from strikes being called by labor unions or embargoing the capital of the companies until the final decision is given.

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Imports at U.S. Ports

New York Imports

ACID, CRESYLIC—21 dms, 10 tons, 3 cwts, 1 qtr, 17 lbs, Monsanto Chem Co, Samaria, Liverpool
46 pkgs, Crowley Tar Prod Co, American Importer, Manchester
30 dms, American Cyanamid & Chem Co, Cameronia, Glasgow
1 cs, City of Flint, Liverpool
20 dms, Monsanto Chem Co, Lancastria, Liverpool
LINING—10 dms, Driver Harris Co, American Importer, Manchester
NITRIC—63 crbys, Industrial Sales Corp, Robert Maersk, Rotterdam
STEARIC—88 bgs, M J Corbett & Co, Volendam, Rotterdam
ADEPS LANAE—2 cs, 136 kgs, C Tennant Sons & Co, American Importer, Liverpool
ALBUMEN, BLOOD—1 ck, 5 cwts, 24 lbs, Raw, Samaria, Liverpool
DRIED—33 cs, Paul A Dunkel & Co, Marchen Maersk, Shanghai
ALCOHOL, FATTY—2 dms, 257 lbs, Hansa, Hamburg
ALUMINUM LEAF—65 cs, Globe Shipping Co, Hansa, Hamburg
AMMONIA CARBONATE—10 cs, 1 ton, 1 cwt, 1 qtr, 20 lbs, — Turner & Co, Samaria, Liverpool
SULPHATE—500 bgs, Bradley & Baker, Volendam, Rotterdam
AMMONIAC SAL—20 cs, Solvay Sales Corp, American Importer, Liverpool
ANISE—50 bgs, Knickerbocker Mills Co, Ingria, Marseilles
ANNATTO SEED—100 bgs, D Steengrafe, Colombia, Cristobal
ARROWROOT—600 bbls, Morningstar, Nicol, Nerissa, St Vincent
1,000 bbls, Morningstar, Nicol, Gunvor, St Vincent
ARTIST'S MATERIAL—6 cs, Winsor & Newton, American Banker, London
ASBESTOS—1,000 bgs, Johns Manville Corp, West Cawthon, Capetown
1 cs, W Jacobson, West Cawthon, Capetown
1,700 bgs, Raw Asbestos Distr, West Cawthon, Beira
2,870 bgs, Birmania, Genoa
ASPHALT SHEETS—86 cs, Wedemann & Godknecht, Westernland, Antwerp
BARYTES—300 bgs, 27,030 lbs, Hansa, Bremen
BONE MEAL—554 bgs, Lucia C, Fiume, Rosario
1,500 bgs, 152,800 lbs, H J Baker & Bros, Minden, Rosario
340 bgs, Manahan Chem Co, Jean Jadot, Antwerp
BONES — 1 car, Geck Trading Co, Seatrain N Y, Havana
BRISTLES—5 cs, Bremen, Bremen
46 cs, Guaranty Trust Co, Nankai, Dairen
70 cs, Philadelphia National Bank, Nankai, Tientsin
141 cs, Tradesmen National Bank, Nankai, Tientsin
66 cs, Nankai, Tientsin
95 cs, National City Bank, Nankai, Tientsin
15 cs, Bankers Trust Co, Nankai, Tientsin
6 bbls, Guzolski Kalinski, Scanmail, Gdynia
50 cs, F H Cone & Co, Marchen Maersk, Shanghai
50 cs, H Rosenhirsch Co, Marchen Maersk, Shanghai
210 cs, N Wagman & Co, Marchen Maersk, Shanghai
25 cs, N Wagman & Co, Marchen Maersk, Kobe
14 cs, Globe Shipping Co, Hansa, Hamburg
40 cs, Mitsui & Co, Amagisan, Kobe
117 cs, H Rosenhirsch Co, American Banker, London
16 cs, 1ck, American Banker, London
1 cs, M Broverman & Son, American Banker, London
8 cs, J H Schroeder Banking Corp, Scanpenn, Gdynia
CALCIUM, METALLIC—14 cs, Charles Hardy, Ingria, Marseilles
CAMPHOR, REFD—15 cs, Bloomingdale Bros, Nankai, Kobe
7 cs, Nankai, Kobe
50 cs, Mitsui & Co Amagisan, Kobe
CARAWAY SEED—100 bgs, 11,000 lbs, Levy & Levis Co, Volendam, Rotterdam
200 bgs, 22,000 lbs, R L Friedler, Volendam, Rotterdam
CARDAMOM—20 cs, Volkart Bros, Marwarri, Colombo
CASSIA—237 bls, Kota Tjandi, Padang
300 bls, Wah Young Co, Marchen Maersk, Hongkong
100 bls, B H Ald & Co, Marchen Maersk, Canton
34 bls, Wood & Selick, New Orleans, Hongkong
FISTULA—35 bskts, Brown Bros, Harriman Co, Kota Tjandi, Macassar
ROLLS—34 bls, Wood & Selick, New Orleans, Hongkong
VERA—166 pkgs, J F Frank, Irisbank, Batavia
47 pkgs, J F Frank, Irisbank, Padang
CASTOR BEANS—3,400 bgs, L Dreyfus & Co, Dorotea, Recife
1,700 bgs, Dorotea, Recife
7,400 bgs, Minnequa, Santos
CELERY SEED—50 bgs, Ingria, Marseilles
CHALK, PRECIPITATED—100 bgs, 7 tons, 11 cwt, 3 qtrs, 4 lbs, H J Baker & Bros, Samaria, Liverpool
100 bgs, 7 tons, 11 cwt, 3 qtrs, 4 lbs, H J Baker & Bros, Lancastria, Liverpool
CHAMOIS SKINS—1 cs, Diemont, Levy Co, President Harding, Havre
2 cs, Freedman & Slater, Lafayette, Havre
CHEMICALS — 100 bgs, 30 cks, 3 dms, Industrial Sales Corp, Black Gull, Antwerp
15 dms, 1 cs, Bremen, Bremen
16 bbls, Universal Carloading & Distr Co, Blankaholm, Gothenburg
40 cs, 1 bbl, Bergstrom Trading Co, Blankaholm, Gothenburg
20 cs, Sherka Chem Co, Hansa, Hamburg
200 bgs, Innis, Speiden & Co, Hansa, Hamburg
10 cks, Innis, Speiden & Co, Hansa, Hamburg
5 dms, Hansa, Hamburg
2 cs, P C Kuyper & Co, Hansa, Hamburg
7 pkgs, Eimer & Amend, Hansa, Hamburg
22 cs, Schimmel & Co, Hansa, Hamburg
25 dms, Hansa, Hamburg
20 pkgs, Pfaltz & Bauer, Hansa, Hamburg
640 bgs, Schofield-Donald Co, Cameronia, Glasgow
100 bbls, Jean Jadot, Antwerp
30 cs, Bergstrom Trading Co, Drottningholm, Gothenburg
75 cs, Mallinckrodt Chem Works, Drottningholm, Gothenburg
CHEMICALS—4 cs, Lo Curto & Funk, Aquitania, Southampton
154 bgs, American Fluoride Corp, Volendam, Rotterdam
30 dms, Richards Chem Works, Volendam, Rotterdam
2 cs, Michel Export Co, Volendam, Rotterdam
25 cks, 41 dms, Volendam, Rotterdam
25 cks, Stanley Doggett, Volendam, Rotterdam
1,325 dms, E I duPont de Nemours & Co, Volendam, Rotterdam
2 jugs, General Dyestuff Corp, Volendam, Rotterdam
5 dms, Th Goldschmidt Corp, Volendam, Rotterdam
1 ck, Yardley & Co, American Banker, London
2 bbls, F Behrend, Scanpenn, Copenhagen
40 cs, Sherka Chem Co, Black Falcon, Rotterdam
14 pkgs, Black Falcon, Rotterdam
1 tin, National Carloading Co, Black Falcon, Rotterdam
1 pkg, Black Diamond S S Co, Black Falcon, Rotterdam
3 cs, Ciba Co, Lafayette, Havre
2 cs, Sartorius Co, Lafayette Havre
2 cs, 10 cks, Cuno Sievers, Black Heron, Rotterdam
100 bgs, Industrial Sales Corp, Black Heron, Rotterdam
20 bbls, African Metals Corp, Black Heron, Rotterdam
CHILLIES—168 bgs, A G Dunn, Amagisan, Kobe
38 bgs, S L Jones & Co, Amagisan, Kobe
CHINA CLAY—10 cks, 100 bgs, 4 tons, 17 cwts, 3 qtrs, 24 lbs, C B Chrystal & Co, Lancastria, Liverpool
160 bgs, 10 tons, 4 cwt, English China Clay Sales Corp, Lancastria, Liverpool
7 bgs, Yardley & Co, American Banker, London
CHROME ORE—1,906 tons, 6 cwts, 3 qtrs, 19 lbs, E J Lavino & Co, West Cawthon, Beira
1,704 tons, 3 cwts, 19 lbs, E J Lavino & Co, West Cawthon, Lourenco Marques
CINCHONA PRODUCTS—4 cs, R W Greeff & Co, Volendam, Rotterdam
CINNABAR—5 bbls, 1,207 lbs, A Hurst & Co, Birmania, Leghorn
CLAY, BURNT—300 bgs, Guy C Foster, Samaria, Liverpool
500 bgs, Guy C Foster, Lancastria, Liverpool
CLOVES—1,000 bls, West Cawthon, Zanzibar
COALTAR DERIVATIVE—4 cks, General Aniline Works, Black Falcon, Rotterdam
INTERMEDIATES—2 cks, Sandoz Chem Works, Bremen, Bremen
3 cs, Bremen, Bremen
1 cs, General Dyestuff Corp, Bremen, Bremen
1 ck, General Dyestuff Corp, Hansa, Hamburg
1 cs, 2 cks, General Aniline Works, Volendam, Rotterdam
18 dms, 50 cks, General Dyestuff Corp, Volendam, Rotterdam
36 cks, General Aniline Works, Black Falcon, Rotterdam
COBALT METAL—20 cs, Central Trading Corp, Jean Jadot, Antwerp
60 kgs, Central Trading Corp, Scanpenn, Hango
COCOA BEANS—1,250 bgs, Wood & Selick, Troubador, Port Spain
500 bgs, Nieschlag & Co, Troubador, Port Spain
500 bgs, Troubador, Port Spain
170 bgs, Lopez & Mangual, Amazore, Maracaibo
40 bgs, W & A Leaman, Colombia, Port de Paix
2,000 bgs, National City Bank, Dorotea, Ilheus
1,000 bgs, Guaranty Trust Co, Dorotea, Ilheus
21,000 bgs, Dorotea, Ilheus
1,700 bgs, Middleton & Co, Oranje Nassau, Trinidad
100 bgs, Meyer & Co, Santa Rosa, Pto Cabello
143 bgs, Wessel, Duval & Co, Santa Rosa, Pto Cabello
250 bgs, Santa Rita, Guayaquil
750 bgs, Middleton & Co, Gunvor, Port Spain
500 bgs, Wessel, Kulenkampf & Co, Gunvor, Port Spain
500 bgs, Wood & Selick, Gunvor, Port Spain
250 bgs, W R Grace & Co, Gunvor, Port Spain
250 bgs, General Cocoa Co, Gunvor, Port Spain
1,850 bgs, Gunvor, Port Spain
76 bgs, Holland Amer Line, Black Falcon, Rotterdam
2,800 bgs, Cie Francaise de l'Afrique, West Kebar, Lagos
COCONUTS—100 bgs, 10,000 lbs, General Foods Corp, Colombia, Cristobal
200 bgs, 20,000 lbs, Universal Import & Export Co, Colombia, Cristobal
485 bgs, 48,500 lbs, I L Toledano Corp, Colombia, Cristobal
80 bgs, 8,000 lbs, Universal Import Export Co, Borinquen, San Juan
237 bgs, 23,700 lbs, Borinquen, San Juan
535 bgs, 53,500 lbs, I L Toledano Corp, Cristobal, Cristobal
COCONUT, DESIC—408 cs, Dodwell & Co, Marchen Maersk, Manila
700 cs, General Foods Corp, Marchen Maersk, Manila
1,827 cs, Durkee Famous Foods, Marchen Maersk, Manila
COLORS—6 cks, Fulton Dye & Import Co, Lafayette, Havre
1 bbl, Calco Chem Co, Lafayette, Havre
ARTISTS—4 cs, Artists Brush & Color Co, American Banker, London
CERAMIC — 2 cs, B F Drakenfeld & Co, Lancastria, Liverpool
EARTH—40 cks, Calco Chem Co, Hansa, Bremen
15 cks, C J Osborn & Co, Volendam, Rotterdam
PIGMENT—12 jugs, General Dyestuff Corp, Volendem, Rotterdam
COLUMBITE ORE—840 bgs, W H Sneath, West Kebar, Port Harcourt
COPAIBA BALSAM—40 cs, 4,000 lbs, Dodge & Olcott Co, Colombia, La Libertad
CORIANDER SEED—4 bgs, Front Bros, Batory, Gdynia
CORK—59 bgs, Trongate, Lisbon
17 bgs, L Mundet & Sons, Trongate, Lisbon
WASTE—2,949 bls, L Mundet & Sons, Trongate, Lisbon
WOOD—120 pkgs, Ingria, Seville
90 bls, Wicander & Co, Trongate, Lisbon
CORK, WOOD—130 bls, Le Mundet & Sons, Trongate, Lisbon
430 bls, Trongate, Lisbon
CRESOL—74 kegs, 12 tons, 3 cwt, 16 lbs, Monsanto Chemical Co, Samaria, Liverpool
1 cs, Monsanto Chemical Co, Lancastria, Liverpool
CUBEBS—32 bgs, Silverbeech, Singapore
CUMIN SEED—100 bgs, Ingria, Marseilles
CUTTLEFISH BONES—100 cs, Lucia C, Palermo
DRUGS, CRUDE—65 cs, Chase National Bank, American Banker, London
DYES—5 bbls, Ozalid Corp, Bremen, Bremen
ALIZARIN—3 cks, General Dyestuff Corp, Bremen, Bremen
41 dms, 38 cks, 1 cs, 49 jugs, General Dyestuff Corp, Volendam, Rotterdam
1 ck, General Aniline Works, Black Falcon, Rotterdam
ANILIN—5 cs, Sandoz Chemical Works, Bremen, Bremen
22 cks, 1 cs, General Dyestuff Corp, Bremen, Bremen
6 cks, 1 pkg, General Dyestuff Corp, Hansa, Hamburg
4 dms, L & R Organic Product Co, Volendam, Rotterdam
11 dms, 76 cks, 1 cs, General Dyestuff Corp, Volendam, Rotterdam
45 kegs, 1 cs, Carbic Color & Chemical Co, Lafayette, Havre
17 bbls, 60 cans, Ciba Co, Lafayette, Havre
EGG YOLK, HEN—40 cs, Henningsen Bros, Marchen Maersk, Kobe
FERTILIZER, NITRATE PHOSPHATE—800 bgs, Synthetic Nitrogen Product Corp, Black Falcon, Rotterdam
FILTER MASS—5 bls, J E Bernard Co, Volendam, Rotterdam
PAPER—14 cs, H Reeve Angel & Co, American Banker, London
1 cs, Universal Carloading & Distr Co, American Banker, London
FLAXSEED—3,790 tons, 151,600 bus, L Dreyfus & Co, Goviken, Santa Fe
2,530 tons, 101,200 bus, L Dreyfus & Co, Goviken, Diamente
6,851 tons, 274,040 bus, Archer, Daniels, Midland Co, Tureby, Rosario
2,540,000 kilos, 101,600 bus, Minden, Rosario
3,911,600 kilos, 156,464 bus, L Dreyfus & Co, Minnequa, Ibicuy
FULLER'S EARTH—4 cs, Arden Chem Co, American Banker, London
GELATIN—130 cs, Dingelstedt & Co, Hansa, Bremen
14 cs, B A Consmuller, Volendam, Rotterdam
POWDERED—130 bgs, R D McLellan, Volendam, Rotterdam
275 bgs, 31 bbls, 10 dms, 30 kegs, R D McLellan, Black Falcon, Rotterdam
GINGER ROOT—36 bgs, B H Old & Co, Colombia, Cristobal
75 bgs, McCormick & Co, Colombia, Cristobal
9 bgs, S Solomon, Borinquen, San Juan
9 bgs, Borinquen, San Juan
16 bgs, Antigua, Kingston
GLASS, PLATE—10 cs, Brown Bros-Harriman Co, Black Gull, Antwerp
5 cs, C Happel, President Harding, Hamburg
25 cs, Globe Shipping Co, Hansa, Hamburg
2 cs, Brown Bros-Harriman Co, Jean Jadot, Antwerp
WINDOW—17 cs, S A Bendheim, President Harding, Hamburg
5 cs, Semon, Bache & Co, President Harding, Hamburg
8 cs, W J Byrnes & Co, President Harding, Hamburg
1 cs, Seymour G Cole, Westernland, Antwerp
1,200 cs, Westernland, Antwerp
10 cs, Leo Popper & Son, Cameronia, Glasgow
66 cs, L Solomon & Son, Jean Jadot, Antwerp
525 cs, Jean Jadot, Antwerp
GLUE—400 bgs, L H Lang-G Van Gelder, Lucia C, Trieste
300 bgs, L H Lang-G Van Gelder, Birmania, Trieste
40 bgs, International Selling Corp, Lafayette, Havre
FISH—25 cs, E T Sullebarger Co, Cameronia, Glasgow
GLUESTOCK—654 bgs, City of Flint, Liverpool
GLYCERIN—1 car, Colgate-Palmolive-Peet Co, Seatrain New York, Havana
GRAPHITE—1,400 bgs, Asbury Graphite Mills, Marchen Maersk, Kobe
502 bgs, Silverbeech, Tamatave
105 bbls, Lafayette, Havre
GREASE WOOL — 25 dms, 5 tons, 4 cwt, 2 qtrs, 18 lbs, Samaria, Liverpool
20 dms, American Importer, Manchester
40 dms, American Cyanamid & Chem Co, American Importer, Manchester
20 dms, Lancastria, Liverpool
GUM — 9 cs, Volendam, Rotterdam
ARABIC — 50 bgs, 11,220 lbs, Frank Vliet Co, Marivarri, Port Sudan
CHICLE — 720 bls, Mexican Exploitation Co, Panuco, Progreso
COPAL — 138 bgs, 64 bskts, O G Innes Corp, Kota Tjandi, Macassar
141 bskts, Kota Tjandi, Macassar
217 bskts, O G Innes Corp, Kota Tjandi, Amboina
300 bgs, Gillespie-Rogers-Pyatt Co, Black Gull, Antwerp
195 bskts, Chase National Bank, Silverbeech, Macassar
107 bskts, W H Scheel, Silverbeech, Macassar
300 bgs, O G Innes Corp, Jean Jadot, Antwerp
DAMMAR — 50 cs, Kota Tjandi, Macassar
100 cs, American Cyanamid & Chem Co, Kota Tjandi, Batavia
50 cs, O G Innes Corp, Kota Tjandi, Batavia
100 bgs, G W S Patterson & Co, Kota Tjandi, Batavia
200 cs, Bank of Manhattan, Kota Tjandi, Padang
210 bgs, O G Innes Corp, Kota Tjandi, Singapore
50 cs, 210 bgs, France, Campbell & Darling, Singapore
210 bgs, Stroock & Wittenberg, Kota Tjandi, Singapore
210 bgs, O G Innes Corp, Silverbeech, Singapore
LOCUST BEAN — 40 bgs, 2 tons, 92 qtrs, 24 lbs, Samaria, Liverpool
RED — 4 cs, J L Hopkins & Co, American Banker, London
SOLUTION—2 cs, M Grumbacher, Volendam, Rotterdam
TRAGACANTH—41 cs, E Meer & Co, President Harding, Hamburg
GYPSUM—204 bgs, 10 tons, 2 qtrs, 12 lbs, L A Salomon & Son, Samaria, Liverpool
400 bgs, 40 tons, Whittaker, Clark & Daniels, Lancastria, Liverpool
HENNA LEAVES—113 bls, 23,958 lbs, Marwarri, Port Sudan
HERBS, MEDICINAL—10 bls, Ilsenstein, Antwerp
11 bls, 1,203 lbs, Hansa, Hamburg
4 cs, Hansa, Hamburg
11 bls, S B Penick & Co, Hansa, Hamburg
25 cs, Westernland, Antwerp
57 bls, S B Penick & Co, Jean Jadot, Antwerp
29 bls, Peek & Velsor, Jean Jadot, Antwerp
HOPS—22 bls, Ilsenstein, Antwerp
56 bls, A Gusmer, President Harding, Hamburg
1 bl, J Sonnenschein Hop Co, President Harding, Hamburg
40 bls, R F Downing & Co, President Harding, Hamburg
10 bls, Bode & Voigt, Hansa, Hamburg
120 bls, 8 bellots, Atlantic Forwarding Co, Hansa, Hamburg
123 cs, S S Steiner, Hansa, Hamburg
5 bls, Hansa, Hamburg
1 bl, Freedman & Slater, Hansa, Hamburg
4 bls, Globe Shipping Co, Hansa, Hamburg
60 bls, R F Downing & Co, Batory, Gdynia
INDIGO—23 cks, General Dyestuff Corp, Volendam, Rotterdam
IRISH MOSS — 114 bls, 20 bgs, Lafayette, Havre
IRON, ORE — 12 dms, Reichard-Coulston, American Importer, Liverpool
90 bgs, 25 dms, Reichard-Coulston, Lancastria, Liverpool
OXIDE — 3 cks, Stanley Doggett, Samaria, Liverpool
7 cks, Landers Segal Color Co, Samaria, Liverpool
5 cks, J A McNulty, American Importer, Manchester
20 cks, American Importer, Liverpool
37 cks, C J Osborn & Co, President Harding, Southampton
55 cks, Robinson-Wagner Co, Volendam, Rotterdam
ISINGLASS—14 cs, C H Reisig, Lancastria, Liverpool
JUNIPER BERRIES—200 bls, 26,400 lbs, Birmania, Leghorn
LICORICE PASTE—1 cs, Westernland, Antwerp
LIME—5 cs, 124 kegs, Carlson & Bernstein, Blankaholm, Gothenburg
LITHOPONE—1 cs, E I Du Pont de Nemours Co, American Importer, Liverpool
200 cks, Benj Moore & Co, Volendam, Rotterdam
LOOFAH—12 bls, American Sponge & Chamois Co, Amagisan, Yokohama
LUPULIN—4 cs, Bode & Voigt, Hansa, Hamburg
MACE—48 cs, Royal Bank of Canada, Kota Tjandi, Amboina
25 cs, H P Winter & Co, Kota Tjandi, Padang
16 cs, Catz American Co, Silverbeech, Banda
MAGNESIA—1 cs, Schofield-Donald Co, Lancastria, Liverpool
CALCINED — 20 cs, Schofield-Donald Co, American Importer, Liverpool
CARBONATE—90 cs, Schofield-Donald Co, American Importer, Liverpool
110 cs, Schofield-Donald Co, Lancastria, Liverpool
HYDRATE — 60 cs, Schofield-Donald Co, American Importer, Liverpool
MAGNESITE, CALCINED—25 bgs, 30 dms, Speiden, Whitfield Co, Volendam, Rotterdam
MANGROVE BARK EXTRACT—1,000 bgs, Silverbeech, Singapore
MANNA—52 cs, Lucia C, Palermo
MATCHES, SAFETY—1,000 ctns, New York Match Co, Blankaholm, Gothenburg
125 cs, Ilsenstein, Antwerp
5,000 pkgs, Godo Match Co, Amagisan, Kobe
7,019 ctns, New York Match Co, Drottningholm, Gothenburg
MEDICINAL PREPS—6 cs, Burroughs, Wellcome & Co, American Banker, London
10 cs, E Fougera & Co, Lafayette, Havre
MENTHOL—30 cs, Corn Exchange Bank, Nankai, Kobe
20 cs, Corn Exchange Bank, Marchen Maersk, Shanghai
25 cs, Mitsui & Co, Amagisan, Kobe
METHYL POLYETHANOLAMINE — 4 cks, General Aniline Works, Volendam, Rotterdam
MICA, SPLITTINGS — 630 cs, Philadelphia National Bank, Marwarri, Calcutta
30 cs, Guaranty Trust Co, Marwarri, Calcutta
MOLASSES—100,173 gls, National Sugar Refg Co, Seatrain New York, Havana
MUSTARD SEED—188 bgs, Corn Exchange Bank, Nankai, Tientsin
7 bgs, Atlantic Forwarding Co, President Harding, Hamburg
150 bgs, President Harding, Hamburg
50 bgs, Levy & Levis Co, Batory, Gdynia
NAPHTHALENE—1,000 bgs, 222,200 lbs, Charles Hardy, Black Gull, Antwerp
NUTGALLS — 252 bgs, Marchen Maersk, Shanghai
NUTMEGS—162 bgs, Royal Bank of Canada, Kota Tjandi, Amboina
229 bgs, Bank of Manhattan, Kota Tjandi, Amboina
212 bgs, Kota Tjandi, Amboina
116 bgs, H P Winter & Co, Kota Tjandi, Sabang
230 bgs, Corn Exchange Bank, Kota Tjandi, Sabang
350 bgs, Royal Bank of Canada, Nerissa, Grenada
150 bgs, Nerissa, Grenada
67 bgs, Catz American Co, Silverbeech, Banda
131 bgs, J F Frank, Irisbank, Padang
50 bgs, Middleton & Co, Gunvor, Grenada
OCHER—35 bbls, 870 bgs, Robinson, Wagner Co, Ingria, Marseilles
OIL, BERGAMOT—40 cs, Lo Curto & Funk, Lucia C, Messina
50 cs, Dodge & Olcott Co, Lucia C, Messina
CAMPHOR—20 dms, Marchen Maersk, Shanghai
50 dms, Orbis Product Corp, Marchen Maersk, Kobe
50 dms, Dodge & Olcott Co, Marchen Maersk, Kobe
CARAWAY—2 dms, Dodge & Olcott Co, Volendam, Rotterdam
CHINAWOOD—112 dms, National City Bank, Marchen Maersk, Hongkong
150 dms, Bank of California Natl Assn, Marchen Maersk, Hongkong
264 tons, Irving Trust Co, Marchen Maersk, Hongkong
525 dms, Irving Trust Co, Marchen Maersk, Hongkong
100 dms, Marchen Maersk, Canton
75 dms, Marchen Maersk, Hongkong
430 tons, Marchen Maersk, Shanghai
200 dms, Irisbank, Hongkong
242 dms, Irving Trust Co, New Orleans, Hongkong

OIL, CINNAMON LEAF—5 dms, Chase National Bank, Marwarri, Colombo
CITRONELLA — 14 dms, Kota Tjandi, Tandjong Priok
12 dms, Kota Tjandi, Batavia
4 dms, Catz American Co, Fairfield City, Batavia
12 dms, Geo Uhe Co, Fairfield City, Batavia
19 dms, Volkart Bros, Silverbeech, Colombo
CLOVE — 3 cks, Silverbeech, Tamatave
COCONUT — 506 tons, Pacific Vegetable Oil Corp, Marchen Maersk, Cebu
740 tons, Spencer Kellog & Sons, Marchen Maersk, Manila
569 tons, Philippine Refg Co, Marchen Maersk, Manila
489 tons, Marchen Maersk, Manila
135 tons, Philippine Refg Co, Marchen Maersk, Manila
276 tons, Pacific Vegetable Oil Co, Silverbeech, Cebu
528 tons, Philippine Refg Co, Silverbeech, Cebu
CODLIVER — 130 cks, J D Irwin & Co, President Harding, Havre
CORIANDER — 1 cs, Robert Maersk, London
CORN — 250 dms, 125,738 lbs, Corn Product Refg Co, Hansa, Hamburg
55 dms, W C Littauer, Black Heron, Rotterdam
ESSENTIAL—7 cs, President Harding, Havre
7 cs, Hansa, Hamburg
2 cs, Volendam, Rotterdam
6 cs, American Banker, London
26 pkgs, Lafayette, Havre
3 cs, Antigua, Kingston
FERMENTER — 2 dms, Standard Brands, Ilsenstein, Antwerp
FISH LIVER — 125 dms, S Emy, Amagisan, Yokohama
FUEL — 95,000 bbls, Standard Oil Co of N J, Esso Bolivar, Aruba
49,548 bbls, Asiatic Petroleum Corp, Solna, Aruba
55,000 bbls, Standard Oil Co of N J, Thalia, Aruba
85,865 bbls, Asiatic Petroleum Corp, Brunswick, Aruba
GERANIUM — 2 cks, French Line, Fairfield City, Port Said
18 dms, West Cawthon, Durban
4 dms, Chase National Bank, Silverbeech, Singapore
12 dms, Silverbeech, Singapore
LEMON—95 cs, Lo Curto & Funk, Lucia C, Messina
LIME—7 cs, Middleton & Co, Nerissa, Dominica
4 cs, Nerissa, Dominica
LUBRICATING—150 dms, Webbal Service Co, Black Gull, Antwerp
26 dms, Jean Jadot, Antwerp
100 dms, Webbal Service Co, Black Heron, Rotterdam
MINERAL—100 dms, S Schwabacher & Co, Hansa, Hamburg
OLIVE—266 cs, Lucia C, Bari
414 cs, Lucia C, Palermo
2,580 cs, Birmania, Leghorn
50 bbls, Uddo Taormina Corp, Birmania, Genoa
736 cs, 214 dms, Birmania, Genoa
1,280 cs, Ingria, Seville
25 dms, La Manna Azema & Farmer, Ingria, Nice
100 bbls, Ingria, Nice
50 dms, Trongate, Lisbon
35 cs, Aquitania, Southampton
100 cs, Lafayette, Havre
OLIVE, SULPHUR — 106 dms, Guaranty Trust Co, Trongate, Lisbon
200 dms, Leghorn Trading Co, Trongate, Lisbon
ORANGE—36 cs, 1 kg, Magnus, Mabee & Reynard, Borinquen, San Juan
10 cs, Antigua, Kingston
PALM—10 dms, Welch, Holme & Clark, Samaria, Liverpool
91,000 kilos, Irisbank, Belawan Deli
75 dms, I R Boody & Co, Volendam, Rotterdam
PALM KERNEL—181 dms, Balfour, Guthrie & Co, Hansa, Hamburg
PEANUT—25 dms, De Simone Bros, Robert Maersk, Rotterdam
18 dms, I R Boody & Co, Robert Maersk, Rotterdam
10 dms, Lamont Corliss & Co, Black Falcon, Rotterdam
PERILLA—356 tons, Nankai, Dairen
ROSEMARY—4 cs, Lucia C, Fiume
SAGE—4 cs, Lucia C, Fiume
SASSAFRAS—45 dms, Dodge & Olcott Co, Marchen Maersk, Kobe
23 dms, C Fischbeck Co, Marchen Maersk, Kobe
37 dms, Ungerer & Co, Marchen Maersk, Kobe
23 dms, Norda Essential Oil & Chem Co, Marchen Maersk, Kobe
SHEANUT—3 tins, I R Boody & Co, Volendam, Rotterdam
SOYBEAN RESIDUE—6 dms, Atlas Import Co, Hansa, Hamburg
SPERM—20 dms, Camerania, Glasgow
SYNTHETIC—75 cs, Robert Maersk, Rotterdam
PAINT—3 pkgs, Freedman & Slater, Hansa, Hamburg
40 dms, C A Redden, Lancastria, Liverpool
PAPRIKA—25 bgs, National Carloading Co, Bremen, Bremen
40 bgs, 10 cs, H Schoefeld & Son, Bremen, Bremen
100 bgs, President Harding, Hamburg
25 bgs, J Raphael & Son, President Harding, Hamburg
10 bgs, 5 cs, Penn R R, Hansa, Hamburg
PARAFFIN — 1,600 bgs, Asiatic Petroleum Corp, Kota Tjandi, Belik Papan
PEATMOSS—1,170 bls, Premier Peatmoss Corp, Black Gull, Rotterdam
300 bls, Half Moon Mfg Trading Co, Blankaholm, Gothenburg
2,000 bls, Premier Peatmoss Corp, Blankaholm, Gothenburg
1,375 bls, Premier Peatmoss Corp, Scanmail, Copenhagen
1,900 bls, Hansa, Hamburg
3,135 bls, C K Ketzel, Volendam, Rotterdam
4,206 bls, Premier Peatmoss Corp, Scanpenn, Copenhagen
PEPPER—15 bgs, Robert Maersk, London
BLACK—252 bgs, Kota Tjandi, Oosthaven
486 bgs, Irisbank, Oosthaven
WHOLE—32 bgs, American Banker, London

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PETROLEUM, CRUDE — 19 bbls, Bowring & Co, Robert Maersk, London
88,961 bbls, Standard Oil Co of N J, Permian, Guiria
13,823 tons, Standard Oil Co of N J, Basilia, Guiria
PHOSPHATE — 454 bgs, T M Duche & Sons, Westernland, Antwerp
POPPYSEED—100 bgs, 11,000 lbs, Ideal Trading Co, Batory, Gdynia
250 bgs, 27,500 lbs, Julius Loewith, Batory, Gdynia
100 bgs, 11,000 lbs, Wagner Bros, Batory, Gdynia
10 bgs, 1,100 lbs, Kramer & Hauber, Batory, Gdynia
300 bgs, 33,000 lbs, M Witenburg, Batory, Gdynia
150 bgs, 16,500 lbs, C M Van Sillevoldt, Batory, Gdynia
500 bgs, 55,000 lbs, Levy & Levis Co, Batory, Gdynia
300 bgs, 33,000 lbs, Jewett, Sherman Co, Batory, Gdynia
200 bgs, 22,000 lbs, Basic Materials, Batory, Gdynia
100 bgs, 11,000 lbs, J Cone & Son, Volendam, Rotterdam
100 bgs, 11,000 lbs, Levy & Levis Co, Volendam, Rotterdam
400 bgs, 44,000 lbs, C M Van Sillevoldt, Volendam, Rotterdam
100 bgs, 11,000 lbs, A G Dunn, Volendam, Rotterdam
100 bgs, 11,000 lbs, Catz American Co, Volendam, Rotterdam
250 bgs, 27,500 lbs, J Loewith, Scanpenn, Gdynia
150 bgs, 16,500 lbs, American Bluefriesveen Co, Black Falcon, Rotterdam
100 bgs, 11,000 lbs, Levy & Levis Co, Black Falcon, Rotterdam
100 bgs, 11,000 lbs, Flack Falcon, Rotterdam
100 bgs, 11,000 lbs, Knickerbocker Mills Co, Black Falcon, Rotterdam
POTASH, CAUSTIC — 75 dms, American Cyanamid & Chem Co, Hansa, Hamburg
CHLORATE POWD — 1,915 cks, 472,276 lbs, Uniform Chem Prod Co, Hansa, Hamburg
COMPOUND—5 jugs, General Dyestuff Corp, Volendam, Rotterdam
PRUSSIATE — 23 bbls, Natural Prod Refg Co, Volendam, Rotterdam
SULPHATE — 220 bgs, N V Potash Export My, Hansa, Hamburg
PYRETHRUM FLOWERS — 150 bls, West Cawthon, Mombasa
21 bls, Lucia C, Dubrovnik
125 bls, S B Penick & Co, Marchen Maersk, Kobe
QUINCE SEED—53 bgs, E Meer & Co, Ilsenstein, Antwerp
RAPESEED—25 bgs, Levy & Levis Co, Robert Maersk, Rotterdam
75 bgs, Wagner Bros Feed Corp, Robert Maersk, Rotterdam
RESIN—2 pkgs, Stroock & Wittenberg, Scanpenn, Copenhagen
RHUBARB—23 cs, Marchen Maersk, Shanghai
ROOT, MEDICINAL—1 cs, Ilsenstein, Antwerp
43 bgs, R D Hines, Hansa, Hamburg
1 bl, S B Penick & Co, Hansa, Hamburg
15 bls, S B Penick & Co, American Banker, London
ROSE LEAVES—10 bls, Ingria, Casablanca
ROSEMARY LEAVES—20 bls, E E Marks & Co, Lucia C, Dubrovnik
ROTTENSTONE—2 cks, 4 cwts, 2 qtrs, 22 lbs, J H Rhodes & Co, Samaria, Liverpool
RUBBER, SYN—8 bgs, Advance Solvents & Chem Co, Volendam, Rotterdam
SAGO FLOUR—1,600 bgs, W R Grace & Co, Irisbank, Singapore
SALTPETER—454 bgs, 99,880 lbs, Hansa, Bremen
1,005 bgs, Chilean Nitrate Sales Corp, Helga, Iquique
SARDINE MEAL—2,000 bgs, Mitsui & Co, Amagisan, Kobe
SEED, MEDICINAL—150 bgs, Ilsenstein, Antwerp
30 bgs, R D Hines, Hansa, Hamburg
200 bgs, Westernland, Antwerp
SHELLAC—670 bgs, Wm Zinsser & Co, Marwarri, Calcutta
175 bgs, Argenti & Co, Marwarri, Calcutta
100 bgs, 50 cs, Irving Trust Co, Marwarri, Calcutta
50 cs, Guaranty Trust Co, Marwarri, Calcutta
20 cs, A Hurst & Co, Volendam, Rotterdam
25 cs, A Hurst & Co, Black Falcon, Rotterdam
SEEDLAC—700 bgs, Wm Zinsser & Co, Marwarri, Calcutta
200 bgs, Guaranty Trust Co, Marwarri, Calcutta
300 bgs, Marwarri, Calcutta
SIENNA—66 cks, 23,579 lbs, C K Williams & Co, Birmania, Leghorn
40 bgs, 8,932 lbs, Reichard-Coulston, Birmania, Leghorn
35 cks, 21,276 lbs, Birmania, Leghorn
6 bbls, 2,576 lbs, Reichard-Coulston, Birmania, Leghorn
50 bgs, 11,176 lbs, Reichard-Coulston, Birmania, Leghorn
SOAP—95 cs, American Express Co, American Importer, Manchester
50 cs, W E Martin, Birmania, Trieste
6 bbls, Volendam, Rotterdam
BASE—50 cs, Yardley & Co, American Banker, London
SADDLE—100 cs, Salomon & Philips, American Banker, London
TOILET—2 cs, American Banker, London
SODA CYANIDE—330 dms, Charles Hardy, Lafayette, Havre
HYDROSULPHITE—20 kegs, 2 tons, 3 cwt, 3 qtrs, Philipp Bros, Samaria, Liverpool
4 dms, Ilsenstein, Antwerp
90 dms, Sandoz Chemical Works, Black Heron, Rotterdam
PRUSSIATE—102 cs, H H Rosenthal & Co, Nankai, Yokohama
264 cs, Nankai, Yokohama
SILICOFLUORIDE — 150 bgs, 33,000 lbs, Hummel Chemical Co, Birmania, Leghorn
SULPHATE—200 bgs, Advance Solvents & Chemical Co, Ilsenstein, Antwerp
10 cks, Ilsenstein, Antwerp
1,074 bgs, W R Grace & Co, Santa Rita, Antofagasta
SPONGES—8 bls, Chiriqui, Havana
3 bls, Florida Sponge Co, Siboney, Havana
5 bls, Schroeder & Tremayne, Oriente, Havana
10 bls, J Bloch, Oriente, Havana
REFUSE—40 bls, Chiriqui, Havana
8 bls, J Bloch, Oriente, Havana
SQUILL—48 bgs, Lucia C, Bari
ST JOHNS BREAD—32 bgs, 2 tons, J L Hopkins & Co, Samaria, Liverpool
STARCH, POTATO — 150 bgs, Morningstar Nicol, Volendam, Rotterdam
100 bgs, Stein, Hall & Co, Volendam, Rotterdam
STEARIN PITCH—43 bbls, Ingria, Marseilles
TALC—1,700 bgs, Charles Mathieu, Birmania, Genoa
10 bgs, 2,200 lbs, D F Young, Hansa, Hamburg
TAPIOCA, FLAKE—140 bgs, Stein, Hall & Co, Kota Tjandi, Batavia
425 bgs, Stein, Hall & Co, Kota Tjandi, Tegal
FLOUR—500 bgs, Stein, Hall & Co, Kota Tjandi, Batavia
2,250 bgs, Kota Tjandi, Tegal
1 bg, Sino Java Hvg, Kota Tjandi, Tegal
12,293 bgs, Stein, Hall & Co, Kota Tjandi, Tegal
500 bgs, Kota Tjandi, Cheribon
TAPIOCA, FLOUR—100 bgs, Catz American Co, Fairfield City, Batavia
509 bgs, Stein, Hall & Co, Fairfield City, Cheribon
4,953 bgs, Stein, Hall & Co, Fairfield City, Cheribon
100 bgs, Catz American Co, Fairfield City, Batavia
3,341 bgs, Stein, Hall & Co, Fairfield City, Batavia
1,070 bgs, Balfour, Guthrie & Co, Silverbeech, Pamanoekan
3,450 bgs, H P Winter & Co, Silverbeech, Batavia
5 bgs, Stein, Hall & Co, Silverbeech, Batavia
607 bgs, Java American Export Co, Irisbank, Pasoeroean
2,765 bgs, Stein, Hall & Co, Irisbank, Batavia
TARTAR, CRUDE—318 bgs, Charles Pfizer & Co, Lucia C, Messina
250 bgs, Charles Pfizer & Co, Lucia C, Naples
821 bgs, Albert Mevi, Minden, Buenos Aires
304 bgs, Charles Pfizer & Co, Birmania, Leghorn
47 bgs, Ingria, Marseilles
238 bgs, Charles Pfizer & Co, Ingria, Marseilles
275 bgs, Standard Brands, Ingria, Marseilles
230 bgs, Standard Brands, Trongate, Lisbon
TEMPERING COMP—50 dms, 11,873 lbs, Ore & Chem Corp, Hansa, Hamburg
THYME LEAVES—20 bls, Ingria, Marseilles
TUBA ROOT—30 bls, S B Penick & Co, Fairfield, Singapore
UMBER—25 cks, 3 tons, 18 cwt, 2 qtrs, 8 lbs, Whittaker, Clark & Daniels, Samaria, Liverpool
URANIUM OXIDE BLACK—100 dms, Central Trading Corp, Jean Jadot, Antwerp
UREA—320 bgs, Synthetic Nitrogen Prod Corp, Ilsenstein, Antwerp
VANILLA BEANS—68 cs, Ingria, Marseilles
VARNISH—15 cs, Haas Bros, Black Falcon, Rotterdam
WATER, MINERAL—100 cs, J Personeni, Birmania, Genoa
2,000 cs, E & J Burke, Ingria, Marseilles
500 cs, D F Young, American Banker, London
WAX, ANIMAL—5 dms, Robinson-Wagner Co, Lancastria, Liverpool
BEES—43 bgs, D A Zorrilla, Panuco, Tampico
21 bgs, Panuco, Tampico
101 bowls, Trongate, Lisbon
16 bgs, Irving Trust Co, Borinquen, Trujillo
50 bgs, D Steengrafe, Oriente, Havana
MINERAL — 17 bgs, General Dyestuff Corp, Volendam, Rotterdam
MONTAN — 5 bgs, Heemsoth-Kerner Corp, Hansa, Hamburg
OZOKERITE — 25 bgs, Heemsoth-Kerner Corp, Hansa, Hamburg
SPERMACETI — 100 cs, Cameronia, Glasgow
VEGETABLE — 80 bgs, A Hurst & Co, American Banker, London
WOLFRAM ORE — 800 bgs, Wah Chang Trading Corp, Marchen Maersk, Hongkong
YEAST, BREWER'S — 400 bgs, American Importer, Manchester
ZINC DUST—10 dms, City of Flint, Liverpool
GRANULATED—30 dms, Sehon Process Corp, Robert Maersk, London
PERMANGANATE — 1 cs, 206 lbs, P C Kuyper & Co, Hansa, Hamburg

New York Transit Imports

CAMPHOR, REFINED—300 cs, McKesson & Robbins, Nankai, Kobe, Bridgeport
CARAWAY SEED—100 bgs, 11,000 lbs, Sokol & Co, Volendam, Rotterdam, Chicago
COLORS, EARTH—10 cks, Standard Ultramarine Co, Black Heron, Rotterdam, Huntington
GLASS, WINDOW—79 cs, Eastman Kodak Co, Black Heron, Rotterdam, Rochester
IRON SILICATE—3 cks, 1 ton, 2 cwt, 9 lbs, Hobard Bros, Lancastria, Liverpool, Dayton, Ohio
ISINGLASS—10 cs, National Carloading Co, American Banker, London, Chicago
MENTHOL — 125 cs, McKesson & Robbins, Nankai, Kobe, Bridgeport
NUTGALLS — 200 bgs, Eastman Kodak Co, Marchen Maersk, Shanghai, Rochester
OIL, COCONUT—928 tons, Spencer Kellogg & Sons, Irisbank, Manila, Buffalo
PAPAIN—42 cs, American Ferment Co, Irisbank, Colombo, Buffalo
POPPYSEED—200 bgs, 22,000 lbs, Sokol & Co, Volendam, Rotterdam, Chicago
SPONGES—100 bls, Siboney, Havana, Paris
12 bls, Oriente, Havana, Rotterdam
WATER, MINERAL—50 cs, American Banker, London, Chicago

Boston Imports

BONES, GRANULATED—6,000 bgs, 661,380 lbs, Minden, Buenos Aires
CASSIA—53 pkgs, Jacobus F Frank, Irisbank, Batavia
COCOA BEANS—600 bgs, Wessel, Duval & Co, Nankai, Cristobal
EMERY FILLET—4 cs, Joseph Sykes Bros, American Importer, Liverpool
1 cs, Atkinson Haserick Co, American Importer, Liverpool
FISH LIVERS—4 bxs, from Nova Scotia
GAMBIER—54 cs, Irisbank, Singapore
CUBE—136 bgs, E E Androvette, Irisbank, Singapore
GLUESTOCK, FISH—54 bxs, J R Poole Co, Yarmouth, Yarmouth
10 bxs, J A Rich Co, Yarmouth, Yarmouth
HIDE—534 bgs, American Importer, Manchester
205 bls, and 23 bgs, American Importer, Liverpool
GUM, INDUSTRIAL—10 cks, President Pierce, Marseilles
LIVER MEAL—550 bgs, 55,353 lbs, H J Baker & Bros, Minden, Buenos Aires
MICA SPLITTINGS—250 cs, Insulation Co, City of Birmingham, Calcutta
OIL, COCONUT—1,400 tons, Philippine Refining Corp, Silverbeech, Cebu
OLIVE—70 dms, 34,388 lbs, British-French Discount Bank, Exeter, Piraeus
50 cs, 5,952 lbs, Exeter, Genoa
20 dms, 10,033 lbs, C A Smith, Exeter, Marseilles
25 dms, Standard Products Co, President Pierce, Genoa
150 cs, President Pierce, Genoa
TEASEED—110 dms, President Pierce, Hongkong
SHELLAC, GARNET LAC—30 bgs, Gillespie-Rogers-Pyatt Co, City of Birmingham, Calcutta
200 bgs, Bank of the Manhattan Co, City of Birmingham, Calcetta
SOAP, TOILET—1 cs, Lever Bros, Samaria, Liverpool
SODA, HYDROSULPHITE—34 kgs, 3 tons, 7 cwt, 10 lbs, Philipp Bros, Samaria, Liverpool
TANKAGE—546 bgs, 54,001 lbs, National City Bank, Minden, Buenos Aires
TAPIOCA, FLOUR—1,744 bgs, Stein, Hall & Co, Fairfield City, Batavia
1,500 bgs, Arnold Hoffman Co, Fairfield City, Cheribon
276 bgs, Eustis Pennock Co, Irisbank, Pasoeroean
TURPENTINE — 11 dms, Antwerp Naval Stores, Yarmouth, Yarmouth
VANILLA BEANS—26 cs, 1 ton, 8 cwt, 11 lbs, Samaria, Liverpool

Boston Transit Imports

HERBS, DRIED—2 cs, Sue Shang, President Pierce, Hongkong, for Montreal
OIL, PEANUT—20 cs, Sue Shang, President Pierce, Hongkong, for Montreal
STARCH—5 cs, Sue Shang, President Pierce, Hongkong, for Montreal

Houston Imports

CHEMICALS—2 cs, Eisenach, Hamburg
MUSTARD—16 cs, Floride, Hull
DROSS—720 bgs, Floride, Hull
PEATMOSS—440 bls, Eisenach, Bremen
PETROLEUM, CRUDE — 25 dms, Eisenach, Hamburg
TAPIOCA FLOUR—800 bgs, El Mundo, New York

Los Angeles Imports

AGAR AGAR—20 lbs, Taiyo, Yokohama
AMMONIA PHOSPHATE—50,000 lbs, Nansenville, Paris
ANTIMONY ORE—85,000 lbs, From Mexico
BABASSU KERNELS—882,580 lbs, West Castus, Maranhao
456,350 lbs, West Cactus, Brazil
BONE MEAL—55,120 lbs, Nansenville, Brussels
259,840 lbs, Nansenville, Selzaete
CALCIUM NITRATE—2,242,240 lbs, Nansenville, Oslo
CANARY SEED—110,400 lbs, West Cactus, Buenos Aires
CHALK, PRECIPITATED—109,380 lbs, Nansenville, Brussels
CHEMICALS, COMPOUND—1,200 lbs, Taiyo, Yokohama
1,800 lbs, Noto, Yokohama
790 lbs, Taiyo, Yokohama
120 lbs, Amagisan, Kobe
CHINA CLAY—186,930 lbs, Lochkatrine, Plymouth
CINNAMON, UNGROUND—10,000 lbs, Djambi, Colombo
CLAY BALL—674,240 lbs, Lochkatrine, Plymouth
COPRA MEAL—700,000 lbs, Djambi, Manila
FERTILIZER — 100,000 lbs, Lochkatrine, Utrecht
56,000 lbs, Yamazato, Sao Paulo
FISH LIVERS—7,960 lbs, Noto, Yokohama
GINGER ROOT—200 lbs, Pleasantville, Hongkong
GLASS, PLATE—750 lbs, Nansenville, Marchienne-au-Port
30 cs, 53,350 lbs, Nansenville, Brussels
ROLLED—7,190 lbs, Dansenville, Brussels
GUM COPAL—12,000 lbs, Djambi, Dutch East Indies
INK, PRINTING — 430 lbs, Este, Berlin
MEDICINAL PREPS — 800 lbs, from Belfast
50 lbs, Noto, Yokohama
OCHER POWD — 8,450 lbs, Fella, Marseilles
OIL, CORN — 5 lbs, Mariposa, Australia
PEATMOSS — 40,320 lbs, Nansenville, Malmo
56,000 lbs, Erria, Malmo
POTASH SULPHATE — 10,200 lbs, Weser, Amsterdam
RICE FLOUR — 160 lbs, Pleasantville, Hongkong
SEAWEED — 500 lbs, Marchen Maersk, Kobe
SODA, CYANIDE — 56,000 lbs, Lochkatrine, Amsterdam
TOILET PREPS — 150 lbs, Amagisan, Yokohama
60 lbs, from Paris
WAX, CARNAUBA — 4,400 lbs, West Cactus, Brazil
WHITING — 56,000 lbs, Nansenville, Brussels

Mobile Imports

BAUXITE ORE — 2,485 tons, Herleik, Port of Spain

New Orleans Imports

ACID, CRESYLIC—120 dms, W Cooper & Nephew, West Harshaw, Manchester
BAUXITE ORE—2,510 tons, 10 sks, Republic Mining & Manufacturing Co, Austvangen, Paramaribo
529 tons, Republic Mining & Manufacturing Co, Austvangen, Port of Spain
2,820 tons, 25 sks, samples, Republic Mining & Manufacturing Co, Lindvangen, Paramaribo
278 tons, Republic Mining & Manufacturing Co, Lindvangen, Port of Spain
CHEMICALS—72 cks, Advance Solvents & Chemical Corp, Westmoreland, Hamburg
COCONUTS—100 sks, Standard Fruit & S S Co, Cefalu, Ceiba
500 sks, Universal Import Co, Lysefjord, Kingston
50 sks, W R Grace, Lysefjord, Kingston
100 sks, Pan American Exporters, Lysefjord, Belize
150 sks, Lysefjord, Belize
151 sks, Fruit Dispatch Co, Baja California, Swan Island
GUM, CHICLE—6 bls, Chicle Development Co, Lysefjord, Belize
436 bls, Wm Wrigley Jr, Lysefjord, Belize
42 bls, Lysefjord, Belize
HOPS—6 bls, P Reinemann, Westmoreland, Hamburg
MOLASSES—1,405,283 gls, Cuba Distilling Co, Cassimir, Matanzas
95,000 gls, Commercial Molasses Corp, Caloria, Santiago
467,078 gls, Commercial Molasses Corp, Caloria, Boqueron
592,500 gls, Commercial Molasses Corp, Caleria, Desco
LIME, CHLORINATED—100 cs, R Ramelli, West Harshaw, Liverpool
HYDRATED—2,268 sks, United Fruit Co, Westmoreland, Bremen
OIL, CODLIVER—2,000 dms, Missouri Pacific Warehouse, Westmoreland, Hamburg
PEATMOSS—1,689 bls, Peat Import Corp, Westmoreland, Bremen

Norfolk Imports

ALUMINUM, REFD—43 cs, 9 tons, International Selling Corp, City of Hamburg, Hamburg
BLOOD, DRIED—813 bgs, 89,596 lbs, Charles Hallished & Co, N Y, Capillo, Buenos Aires
BONES—656 bgs, 61,291 lbs, Capillo, Buenos Aires
975 bgs, 127,777 lbs, Charles Hallished & Co, N Y, Capillo, Buenos Aires
CHEMICALS—120 bbls, 16 tons, Cincinnati Chem Works, City of Hamburg, Hamburg
1 bg, 1 cs, W C Smith & Co, City of Hamburg, Hamburg, Norwood, Ohio
COCOA BEAN, RESIDUE—5,625 bgs, 506,750 lbs, H J Baker & Bros, Black Gull, Rotterdam
FISH MEAL—2,010 bgs, 98 tons, H J Baker & Bros, Argentino, Buenos Aires
HOOFS—2,326 bgs, 78 tons, Argento, Buenos Aires
MANGANESE ORE—8,250 tons, E J Lavino & Co, Rockpool, Takoradi

MICA WASTE—1,624 bgs, Birchbank, Calcutta
OIL, FUEL—40,000 bbls, Standard Oil Co of N J, Phoebus, Aruba
QUEBRACHO EXTRACT—1,050 bgs, 111,257 lbs, International Selling Corp, Capillo, Buenos Aires
1,724 bgs, 187,559 lbs, American Tanners, Capillo, Buenos Aires
10,445 bgs, 1,118,962 lbs, Tannin Corp, Capillo, Buenos Aires
TANKAGE—2,104 bgs, 98 tons, Jos C Jett, Argentino, Buenos Aires
1,945 cks, 33 bgs, 478,760 lbs, H J Baker & Bros, Capillo, Buenos Aires

Philadelphia Imports

ACID, CRESYLIC — 125 dms, Edam, Rotterdam
BRONZE POWDER — 4 cs, Keer, Maurer Co, Kellerwald, Bremen
2 cs, Wm J Jones & Co, Kellerwald, Bremen
CANARY SEED—250 bgs, Cypria, Casablanca
CARAWAY SEED—50 bgs, Edam, Rotterdam
CHALK—3,675 tons, Southwark Mfg Co, Bestik, London
CHEMICALS — 25 csks, Advance Solvents & Chemical Corp, Edam, Rotterdam
400 bgs, Advance Solvents & Chemical Corp, Edam, Rotterdam
75 dms, 40 csks, Edam, Rotterdam
120,790 kilos, Black Condor, Rotterdam
67 csks, Black Condor, Rotterdam
CHROME ORE — 1,960 tons, 6 cwt, 3 qtrs, 19 lbs, E J Lavino & Co, West Cawthon, Beira
1,097 tons, 12 cwt, 3 qtrs, 22 lbs, Philadelphia National Bank, West Cawthon, Lourenco Marques
CLEANER—15 dms, Wm J Jones & Co, Edam, Rotterdam
COCOA BEANS — 2,000 bgs, Guaranty Trust Co, Dorotea, Ilheos
7,500 bgs, J Henry Schroeder Banking Corp, Dorotea, Ilheos
500 bgs, Dorotea, Ilheos
4,500 bgs, J Henry Schroeder Banking Corp, Astri, Bahia
2,500 bgs, Astri, Bahia
RESIDUE — 300 bgs, Woodward & Dickerson, Edam, Rotterdam
FISH MEAL — 2,240 bgs, Chase National Bank, Kano, Kobe
FLAXSEED — 4,000 tons, Troubadour, Conception del Uruguay
440 tons, Troubadour, Buenos Aires
FLUORSPAR — 20 tons, Irving Trust Co, Cypria, St Raphael
508,000 kilos, General Chemical Co, Kellerwald, Bremen
FUSTIC — 210 tons, Rondo, Black River
GAMBIER — 170 cs, Glaucus, Penang
GUM COPAL SIFTINGS—100 bgs, Black Condor, Antwerp
ILMENITE SAND — 7,700 tons, Maroussio Logotheti, Quilon
LOGWOOD — 1,000 tons, Rondo, Haiti
735 tons, Rondo, Black River
MOLASSES — 715,439 gls, Carrabulle, La Romana
614,088 gls, Carrabulle, Bufadero
MOTOR SPIRITS—1 cs, Atlantic Refining Co, West Cawthon, Capetown
MYROBALANS—8,000 pkts, Guaranty Trust Co, Unicol, Calcutta
6,000 pkts, Marwarri, Calcutta
1,810 pkts, Unicol, Calcutta
NAPHTHALENE—1,200 bgs, John H Faunce, Cold Harbor, Middlesbrough
OIL, CODLIVER—81 dms, Cold Harbor, Hamburg
245 dms, Kellerwald, Hamburg
100 dms, Sharp & Dohme, Inc, Kellerwald, Hamburg
CORN—200,562 kilos, Edam, Rotterdam
163 dms, Balfour, Guthrie & Co, Ltd., Cold Harbor, Hull
204,492 kilos, Black Condor, Antwerp
MOTOR—4 cs, Atlantic Refining Co, West Cawthon, Capetown
SHEANUT—108 bbls, Edam, Rotterdam
OSSEIN—1,162 bgs, Black Condor, Antwerp
PAPRIKA—300 bgs, Cold Harbor, Hamburg
PEATMOSS—1,200 bls, Kellerwald, Bremen
400 bls, Marine Midland Trust Co, Black Condor, Rotterdam
PETROLEUM—110,707 bbls, Gulf Oil Corp, Gulfhawk, Las Piedras
110,505 bbls, Gulf Oil Corp, Gulfbird, Las Piedras
POPPYSEED—100 bgs, Black Condor, Rotterdam
PYRITES ORE — 8,500 tons, Thistleford, Huelva
SHELLAC—100 bgs, City of Birmingham, Calcutta
400 bgs, Bank of London & So America, City of Birmingham, Calcutta
200 bgs, Bank of London & So America, Unicol, Calcutta
200 bgs, Bank of London & So America, Marwarri, Calcutta
200 bgs, Bank of London & So America, Unicol, Calcutta
SODA, HYDROSULPHITE—30 dms, Kellerwald, Hamburg
TEXTILE FINISH—25 cks, Ciba Co, Edam, Rotterdam
WATTLE BARK—293 bgs, West Cawthon, Tanga
WAX, CARNAUBA—125 bgs, Guaranty Trust Co, Boltonhall, Parnaiba
251 bgs, Brown Brothers Harriman & Co, Boltonhall, Parnaiba

Portland, Ore., Imports

COPRA—1,000 tons, Durkee Famous Foods, Texas, Legaspi
1,166 tons, Durkee Famous Foods, Texas, Cebu
GINGER ROOT—2 cks, Sweetarts, Inc, Pleasantville, Hongkong
PARAFFIN—1,525 sks, Patterson Shipping Co, Silverbelle, Batavia
PAPRIKA—25 sks, General Grocery Co, Seattle, Bremen
TAPIOCA, PEARL—40 sks, American Trust Co, Silverbelle, Sourabaya
SEED—30 sks, American Trust Co, Silverbelle, Sourabaya

San Francisco Imports

ACID, CRESYLIC—49 dms, Pacific Ranger, Glasgow
ALCOHOL, ETHYL—100 dms, Maunalei, Honolulu (for Alameda)
100 dms, Manukai, Honolulu (for Alameda)
ARROWROOT FLOUR—10 cs, Ti Hang Lung & Co, President Coolidge, Hongkong
BITTERS—52 cs, German American Wine Co, Este, Bremen
BONE MEAL, PRECIP—400 sks, Wilbur-Ellis Co, Este, Antwerp
CASSIA—10 bls, President Coolidge, Hongkong
CHEMICALS—1,648 dms, Leme, Marseilles
6 cs, San Jose, Antwerp
14 cs, Jungmann & Co, Este, Hamburg
CHILLIES—200 sks, S L Jones & Co, President Coolidge, Kobe
200 sks, S L Jones & Co, Taiyo, Kobe
CHINA CLAY—1,000 tons, Balfour, Guthrie & Co, San Jose, Antwerp (for Richmond)
48 tons, Balfour, Guthrie & Co, San Jose, Antwerp
COCOA BEANS—250 sks, W R Grace & Co, Este, Cristobal
COLOR, EARTH—15 cks, L H Butcher & Co, Este, Bremen
DROSS—1 bbl, Maunalei, Hilo
DRUGS—43 cs, Manukai, Honolulu
FLINT PEBBLES—250 sks, Erria, Copenhagen
GINGER EXTRACT—21 cs, Liquid Ginger Co, President Coolidge, Manila
ROOT—63 cs, Maunalei, Hilo
454 pkgs, President Coolidge, Hongkong
GLASS, WINDOW—30 cs, San Jose, Antwerp
5 cs, R K Davidson, Este, Hamburg
GRAPHITE—250 bgs, President Coolidge, Colombo (for Oakland)
INK—6 cs, Ying Fat Lung, President Coolidge, Hongkong
2 cs, Chew Chong Tai, President Coolidge, Hongkong
IRON OXIDE—63 bbls, L H Butcher & Co, Leme, Genoa
JUNIPER BERRIES—50 bls, Leme, Leghorn
KELP—100 cs, North American Mercantile Co, Taiyo, Otaru
LINSEED MEAL—400 sks, Balfour, Guthrie & Co, Taiyo, Yokohama
MEDICINAL PREPS—2 cs, Ying Fat Lung, President Coolidge, Hongkong
1 cs, Woo Kee Co, President Coolidge, Hongkong
47 cs, Chan Ning Tong, President Coolidge, Hongkong
2 cs, Fung Chong, President Coolidge, Hongkong
2 cs, Kwong Yick, President Coolidge, Hongkong
6 cs, Chong Sing Co, President Coolidge, Hongkong
1 cs, Ti Hang Lung & Co, President Coolidge, Hongkong
30 cs, Tai Fung Wo Co, President Coolidge, Hongkong
MENTHOL — 100 cs, Brown & Williamson Tobacco Co, President Coolidge, Kobe
MOLASSES — 4,000,000 lbs, Makaweli, Honolulu
1,570,000 lbs, Golden Coast, Honolulu
805 tons, Manukai, Port Allen
MUSTARD SEED — 400 sks, McClintock-Stern Co, Beranger, Rotterdam (for Oakland)
OIL, CHINAWOOD — 150 dms, Western Vegetable Oil Co, President Coolidge, Hongkong
107 dms, W Prescott & Co, President Coolidge, Hongkong
300 dms, H M Newhall & Co, President Coolidge, Honkong
2 lots, S & H Trading Co, President Coolidge, Hongkong
Quantity, Bank of California, N A, President Coolidge, Hongkong
100 dms, Henry W Peabody & Co, President Coolidge, Hongkong
LUBRICATING—25 dms, Shell Oil Co, Este, Hamburg
OLIVE — 100 dms, Leme, Marseilles
OINTMENT, ANIMAL — 4 kgs, Robt. Gisler, Este, Antwerp
PAPRIKA — 25 sks, Western Butchers Supply Co, Este, Bremen
25 sks, Milo Coffee Co, Este, Bremen
25 sks, Freed, Teller & Freed, Este, Bremen
PEANUTS, SHELLED — 500 sks, M S Cowen Co President Coolidge, Manila
55 sks, Wilbur-Ellis Co, President Coolidge, Manila
PEATMOSS — 12 bls, East Asiatic Co, Canada, Copenhagen
3 bls, Wilson & George Meyer & Co, Canada, Copenhagen
1,900 bls, Peat Import Corp, Este, Bremen (for Oakland)
100 bls, Wilson & George Meyer & Co, Erria, Copenhagen
4,986 bls, Wilson & George Meyer & Co, Erria, Gothenburg
RAPESEED — 375 sks, Rudy-Patrick Seed Co, Taiyo, Otaru
SILVERSAND — 500 tons, Balfour, Guthrie & Co, San Jose, Antwerp (for Oakland)
500 tons, Balfour, Guthrie & Co, San Jose, Antwerp (optional discharge Oakland)
TALC — 600 sks, Pacific National Bank, President Coolidge, Dairen
TALLOW — 2 bbls, Maunalei, Kahului
TARTAR — 95 sks, Bank of California, Leme, Marseilles
TOILET PREPS — 2 cs, S Ishimitsu Co, President Coolidge, Kobe

Savannah Imports

NAPHTHALENE—104 bgs, Sundance, Rotterdam
POTASH, SALT—1,437 tons, Wisconsin, Barcelona
SULPHATE—1,200 bgs, August, Hamburg

Seattle Imports

COCOA BEANS—50 sks, Vandel Commercial Co, Seattle, Cristobal
COCONUT, DESIC—305 cs, Goebel & Pratt Co, Silverbelle, Manila
DEGRAS—10 bbls, Gregalia, Liverpool
OIL, OLIVE—10 dms, Metropolitan Grocery Co, President Monroe, Genoa (transshipped)
PAPRIKA — 25 sks, Raymer Co, Seattle, Bremen
TAR—250 dms, Gregalia, Glasgow

Exports from U.S. Ports

New York Exports

Clearance Dates

Almena, January 27; Amapala, January 28; American Banker, January 21; American Shipper, January 28; American Trader, January 28; Berengaria, February 3; Bergensfjord, January 25; Black Osprey, January 26; Borinquen, January 20; Caledonia, February 3; Castilla, February 1; Cathlamet, January 27; Chiriqui, January 29; Coamo, January 27; Dagfred, January 31; Eidsvold, January 25; Europa, February 4; Gerolstein, January 31; Hammaren, January 28; Henri Jasper, January 29; Independence Hall, February 4; Invella, January 27; Kashu, February 4; Kinai, January 25; Kiyokawa, January 31; Maasdam, January 28; Manhattan, January 27; Munargo, January 22; Nojima, January 29; Nordhavet, January 29; Nordvard, January 31; San Benito, January 29; San Jose, February 1; Siboney, January 28; Southern Cross, January 28; St Louis, January 26; Steel Ranger, January 21; Tai Yin, January 31; Waukegan, February 5; Yamabiko, February 3

ACETONE—4,130 lbs, Bergensfjord, Oslo; 2,260 lbs, Nordvard, Capetown; 2,547 lbs, Chiriqui, Havana
ACID, FORMIC—4,921 lbs, Cathlamet, Marshall
ACID, MURIATIC—14,561 lbs, Almena, La Romana
NITRIC—5,517 lbs, Munargo, Havana
PHOSPHORIC — 7,480 lbs, Southern Cross, Rio Janerio
ALOIN—900 lbs, American Banker, London
AMMONIA, ANHYDR — 587 lbs, San Jose, Port Limon
ASPHALT — 22,200 lbs, Waukegan, Manchester
LIQUID — 147,100 lbs, American Banker, London; 11,368 lbs, American Shipper, London; 70,908 lbs, Maasdam, Rotterdam
SOLID—52,245 lbs, American Shipper, Manchester
BENZOL — 34,210 gls, Kiyokawa, Osaka
BISMUTH METAL — 13,063 lbs, American Trader, London
BLACK, BONE—12,960 lbs, American Banker, London
BLUE VITRIOL — 12,060 lbs, Haiti, Cristobal
CALCIUM CHLORIDE — 23,125 lbs, Chiriqui, Havana
HYPOCHLORITE — 2,280 lbs, Coamo, San Juan
PHOSPHATE, TRI — 3,410 lbs, American Banker, London
CATALYST, PHOSPHORIC — 355,565 lbs, American Trader, London
CEMENT, RUBBER — 13,924 lbs, American Banker, London
CHALK—10,700 lbs, Chiriqui, Havana
PRECIPITATED — 7,905 lbs, American Banker, London
CHEMICALS — 3,460 lbs, American Shipper, Liverpool; 671 lbs, Munargo, Havana; 2,482 lbs, Henri Jaspar, Antwerp; 603 lbs, Maasdam, Rotterdam
CLAY — 20,400 lbs, American Banker, London; 20,000 lbs, Bergensfjord, Oslo; 47,923 lbs, Hammaren, Gothenburg
COALTAR INTERMEDIATES — 359 lbs, Manhattan, Havre; 91,480 lbs, Siboney, Vera Cruz
CORN, FLOUR — 6,368 lbs, Amapala, Santiago; 196 lbs, San Jose, Amapala; 14,150 lbs, Chiriqui, Havana; 1,020 lbs, Castilla, Porto Barrios; (Tai Yin) 170,610 lbs, Manila; 62,040 lbs, Iloilo; 40,775 lbs, Cebu
SYRUP—30,507 lbs, Munargo, Havana; 7,991 lbs, Hammaren, Gothenburg; 210 lbs, Castilla, Porto Barrios; 7,703 lbs, Chiriqui, Havana; 979 lbs, Castilla, Porto Barrios; 1,950 lbs, Tai Yin, Manila
DEXTRIN—18,887 lbs, Chiriqui, Havana
CORN—35,250 lbs, Steel Ranger, Bombay
DIBUTYL PHTHALATE—2,481 lbs, Henri Jasper, Antwerp
DICHLORODIFLUOROMETHANE—10,717 lbs, Invella, Buenos Aires
DISINFECTANT—6,954 lbs, Almena, Ciudad
DYES—(Manhattan) 1,021 lbs, Helsingfors; 3,897 lbs, Hamburg; (Black Osprey) 18,576 lbs, Antwerp; 1,319 lbs, Rotterdam; 1,670 lbs, Henri Jasper, Antwerp; (Southern Cross) 4,030 lbs, Rio Janeiro; 4,896 lbs, Buenos Aires; 1,758 lbs, San Jose, Mollendo; 619 lbs, Waukegan, Manchester; 2,680 lbs, American Trader, London
FELDSPAR PULV—9,204 lbs, St Louis, Bremen
FERROVANADIUM—13,730 lbs, Kashu, Osaka
FERTILIZER—228,000 lbs, St Louis, Hamburg; 45,700 lbs, Amapala, Kingston
FISHMEAL—4,087 lbs, American Trader, London
GLASS, PLATE—(Chiriqui) 5,890 lbs, Havana; 5,800 lbs, Havana
GLUCOSE—6,050 lbs, American Banker, London; 8,001 lbs, Waukegan, Manchester; 8,076 lbs, American Trader, London
GLYCERIN—746 lbs, Manhattan, Paris; 28,762 lbs, Munargo, Havana
GRAPHITE—57,949 lbs, American Trader, London
GREASE, LUBRICATING — (Steel Ranger) 1,124 lbs, Calcutta; 2,275 lbs, Bombay-Calcutta; 20,400 lbs, Basrah; (Manhattan) 5,061 lbs, Riga; 4,293 lbs, Hamburg; 8,296 lbs, American Banker, London; 121,495 lbs, American Shipper, Manchester; 5,495 lbs, Eidsvold, Santos; 34,515 lbs, Dagfred, Rio de Janeiro; (Independence Hall) 65,233 lbs, Havre; 9,160 lbs, Dunkirk; 2,284 lbs, Black Osprey, Antwerp; 22,838 lbs, Munargo, Havana; (Kinai) 16,529 lbs, 5,171 lbs, Osaka; 5,826 lbs, Dairen; 15,278 lbs, Moji; 8,880 lbs, Takao; 41,603 lbs, Kobe; 31,603 lbs, Nordhavet, Casablanca; 1,585 lbs, Bergensfjord, Oslo; 64,712 lbs, Waukegan, Manchester; 6,587 lbs, American Trader, London; 610 lbs, Cathlamet, Grand Popo
GUM, ALOES—23,528 lbs, Manhattan, Hamburg
INK, PRINTING—6,280 lbs, American Shipper, Liverpool
IODINE, CRUDE — 1,638 lbs, American Trader, London
LACQUER — 3,109 lbs, Black Osprey, The Hague; 3,134 lbs, Henri Jasper, Antwerp; (Southern Cross) 19,873 lbs, Santos; 10,023 lbs, Buenos Aires
PASTE—2,420 lbs, American Trader, London
LEAD, WHITE—11,517 lbs, Southern Cross, Rio de Janeiro
LINSEED CAKE—4,402,956 lbs, Black Osprey, Antwerp; 4,044,092 lbs, Henri Jasper, Antwerp; 1,138,716 lbs, Maasdam, Rotterdam
LITHARGE — 5,474 lbs, Munargo, Havana; 23,656 lbs, Henri Jasper, Antwerp; 4,533 lbs, Chiriqui, Havana
MAGNESIA CARBONATE—1,086 lbs, American Shipper, Liverpool
METHYLENE CHLORIDE — 62,511 lbs, St Louis, Berlin
MONOETHANOLAMINE—7,650 lbs, American Shipper, Liverpool
NAPHTHA—(Cathlamet) 25,000 gls, Conakry; 25,000 gls, Sassandra; 5,165 gls, Cape Coast; 6,000 gls, Addah; 5,000 gls, Grand Popo; 27,335 gls, Cotonou
OIL, CASTOR—1,067 lbs, Munargo, Havana; 507 lbs, Hammaren, Norrkoeping
CASTOR SULPHONATED—20,472 lbs, Maasdam, Rotterdam
COCONUT—23,071 lbs, Borinquen, Trujillo; 61,099 lbs, Almena, San Pedro
EDIBLE—(San Jose) 4,000 lbs, San Jose; 960 lbs, Amapala; 2,891 lbs, Castilla, Porto Barrios
ESSENTIAL — 454 lbs, American Banker, London
FUEL—550 gls, Cathlamet, Cotonou
LUBRICATING — (Steel Ranger) 7,730 gls, Bombay; 11,172 gls, Calcutta; 1,470 gls, Madras; 1,375 gls, Bombay-Calcutta; 3,277 gls, American Banker, London; 15,720 gls, St Louis, Hamburg; (Nojima) 29,260 gls, Yokohama; 54,725 gls, Osaka; 15,125 gls, Moji; 5,500 gls, Dairen; 12,650 gls, Kobe; 12,600 gls, Gerolstein, Antwerp; (American Shipper) 16,500 gls, Liverpool; 31,229 gls, Manchester; (Eidsvold) 17,750 gls, Rio de Janeiro; 7,700 gls, Santos; 3,300 gls, Montevideo; 6,050 gls, Buenos Aires; 11,550 gls, Dagfred, Rio de Janeiro; (Independence Hall) 28,801 gls, Havre; 16,380 gls, Dunkirk; (Black Osprey) 24,650 gls, Antwerp; 1,050 gls, Amsterdam; 9,345 gls, Munargo, Havana; (Kinai) 9,845 gls, Yokohama; 8,350 gls, Dairen; 825 gls, Moji; 10,175 gls, Takao; 2,200 gls, Henri Jaspar, Matadi; (Nordhavet) 1,910 gls, Lisbon; 1,540 gls, Casablanca; 11,805 gls, Marseilles; 1,650 gls, Philippeville; 770 gls, Tunis; (Hammaren) 275 gls, Gothenburg; 1,100 gls, Stockholm; (Bergensfjord) 6,954 gls, Bergen; 19,170 gls, Oslo; (Maasdam) 4,602 gls, Rotterdam; 4,200 gls, Bourgas; 4,375 gls, Southern Cross, Rio de Janeiro; (Chiriqui) 6,600 gls, Guantanamo; 3,300 gls, Manzanillo; 11,450 gls, Havana; 4,620 gls, American Trader, London; (Cathlamet) 1,650 gls, Takoradi; 550 gls, Addah; 200 gls, Cotonou; 3,770 gls, Lagos; 1,650 gls, Sapele, (Waukegan) 3,850 gls, Manchester; 550 gls, Dublin; 13,486 gls, Caledonia, Glasgow
NEATSFOOT—12,163 lbs, St Louis, Hamburg
OLEO—6,988 lbs, American Shipper, Liverpool; (Bergensfjord) 14,258 lbs, Bergen; 6,925 lbs, Oslo; 22,634 lbs, Maasdam, Rotterdam; 46,610 lbs, Waukegan, Dublin; 4,633 lbs, Caledonia, Glasgow
PEPPERMINT—2,202 lbs, American Banker, London; 620 lbs, American Shipper, Liverpool; 803 lbs, Bergensfjord, Oslo; 310 lbs, Maasdam, Rotterdam
PETITGRAIN—310 lbs, Nordhavet, Marseilles
PINE—5,210 lbs, American Shipper, Liverpool; 1,845 lbs, Eidsvold, Santos
SOYBEAN—5,368 lbs, Coamo, Trujillo
TANNING—5,067 lbs, St Louis, Hamburg
TRANSFORMER—120 gls, Eidsvold, Buenos Aires
WORMSEED—1,370 lbs, American Trader, London
OILCAKE—450,653 lbs, Henri Jasper, Antwerp
PAINT—3,010 lbs, Steel Ranger, Alexandria; 1,162 lbs, Gerolstein, Antwerp; 860 lbs, Black Osprey, Antwerp; 5,154 lbs, Henri Jasper, Antwerp; 1,274 lbs, Nordhavet, Oporto; (Hammaren) 4,238 lbs, Malmo; 7,439 lbs, Helsingfors; 2,120 lbs, Bergensfjord, Oslo; (Southern Cross) 19,873 lbs, Santos; 3,700 lbs, Buenos Aires; 1,498 lbs, Haiti, Porto Colombia; 10,115 lbs, Tai Yin, Manila
PASTE—2,400 lbs, Bergensfjord, Oslo
PARAFFIN — 25,377 lbs, Manhattan, Riga; 79,269 lbs, St Louis, Hamburg; 98,781 lbs, American Shipper, Manchester; 23,420 lbs, Coamo, Trujillo; 32,694 lbs, Munargo, Havana; 11,263 lbs, Henri Jasper, Antwerp; 157,650 lbs, Nordhavet, Casablanca; 22,539 lbs, Hammaren, Gothenburg; 2,224 lbs, Bergensfjord, Oslo; 10,015 lbs, Southern Cross, Santos; 10,080 lbs, Almena, Ciudad; 10,101 lbs, Chiriqui, Havana; 33,357 lbs, Castilla, Guatemala City; 14,200 lbs, Haiti, Cartagena; 11,749 lbs, American Trader, London
REFINED—(Nordhavet) 66,918 lbs, Lisbon; 55,534 lbs, Oporto
SCALE—9,785 lbs, Black Osprey, Amsterdam; 24,123 lbs, Bergensfjord, Oslo
PETROLEUM, REFD — (Almena) 5,250 gls, Ciudad; 10,000 gls, La Romana; (Cathlamet) 4,500 gls, Marshall; 3,050 gls, Saesandra; 5,500 gls, Cape Coast; 8,500 gls, Addah; 15,000 gls, Grand Popo; 20,500 gls, Cotonou
PHARMACEUTICAL PREPS — 8,125 lbs, American Trader, London
PITCH—126,942 lbs, American Shipper, Manchester
RESIN, SYNTH—624 lbs, American Trader, London
ROSIN—10,101 lbs, Europa, Bremen
SOAP—2,520 lbs, American Shipper, Liverpool; 15,310 lbs, Cathlamet, Marshall
TOILET — 7,983 lbs, Nordhavet, Lourenco Marques; 17,500 lbs, Bergensfjord, Oslo
SODA ASH—(Eidsvold) 22,371 lbs, Montevideo; 45,201 lbs, Fray Bentos; 22,608 lbs, Dagfred, Santos; 32,531 lbs, Munargo, Havana; 30,686 lbs, Siboney, Vera Cruz; 2,222 lbs, San Jose, Buenaventura; 14,652 lbs, Caledonia, Glasgow
BICARBONATE—48,715 lbs, Siboney, Vera Cruz; 11,000 lbs, Haiti, Porto Colombia
BISULPHITE—4,375 lbs, Munargo, Havana
CAUSTIC—10,000 lbs, Manhattan, Reykjavik; (Eidsvold) 93,142 lbs, Santos; 56,760 lbs, Montevideo; 121,510 lbs, Dagfred, La Plata; 21,565 lbs, Coamo, Trujillo; 34,443 lbs, Munargo, Havana; (Almena) 62,137 lbs, Ciudad; 7,185 lbs, La Romana; 455,-115 lbs, Siboney, Vera Cruz; 14,360 lbs, Chiriqui, La Libertad; 359,000 lbs, San Jose, Santiago
CYANIDE — 22,615 lbs, Tai Yin, Manila
PHOSPHATE, TRI — 11,376 lbs, American Shipper, Liverpool; 20,410 lbs, Nordvard, Capetown; 4,080 lbs, Haiti, Porto Colombia; 22,757 lbs, Caledonia, Glasgow; 56,-896 lbs, American Trader, London
PYROPHOSPHATE — 11,900 lbs, American Shipper, Liverpool
SILICATE — (Almena) 39,639 lbs, Ciudad; 14,110 lbs, La Romana; 7,461 lbs, San Jose, Buenaventura
SILICO ALUMINATE — 12,000 lbs, American Trader, London
SULPHITE — 8,043 lbs, Munargo, Havana
SOOT — 49,821 lbs, Europa, Bremen
SOYBEAN MEAL — 225,680 lbs, Gerolstein, Brussels
STARCH — 26,348 lbs, Coamo, Trujillo; 18,887 lbs, Chiriqui, Havana
CORN — 507,600 lbs, Steel Ranger, Bombay; 11,280 lbs, Bergensfjord, Oslo; 14,150 lbs, Waukegan, Dublin; 33,960 lbs, Caledonia, Glasgow; 2,100 lbs, Tai Yin, Manila
STEARIN, OLEO — 18,908 lbs, Caledonia, Glasgow
TALC — 11,200 lbs, Henri Jaspar, Antwerp
TANNING EXTRACT — 539 lbs, American Shipper, Liverpool
TOILET PREPS — 6,885 lbs, Kiyokawa, Yokohama
TOLUOL — (Kiyokawa) 3,190 gls, Yokohama; 4,785 gls, Osaka
TURPENTINE — (Eidsvold) 500 gls, Bahia; 2,000 gls, Buenos Aires; 550 gls, Steel Ranger, Madras
UREA — 4,567 lbs, Black Osprey, Antwerp
VARNISH — 1,160 lbs, American Shipper, Liverpool; 620 lbs, Black Osprey, The Hague
WITCH HAZEL EXTRACT — 480 lbs, American Trader, London
ZINC OXIDE — 2,720 lbs, Waukegan, Dublin

Boston Exports

Clearance Dates

Caledonia, February 5; Hallaren, February 11; Iriona, February 3; Lady Somers, February 5; Maidan, February 8; Mayari, February 14; Yarmouth, February 5, 9

ACID, SULPHURIC—78 dms, 60,450 lbs, Mayari, Preston
ALUMINA OXIDE—2,160 bgs, and 53 kgs, 229,841 lbs, Maidan, London
BLUE, LAUNDRY—3 cs, 180 lbs, Yarmouth, Halifax
CEMENT, CANVAS—2 crtns, 24 lbs, Yarmouth, St John, N B
LINOLEUM—3 crtns, 50 lbs, Yarmouth, St John, N B
CHEMICAL SPECIALTY—2 cs, 9 gls, Yarmouth, St John, N B
CLAY—362 bbls, 41 tons, Maidan, London
DISINFECTANT, COALTAR—20 bbls, 1,000 gls, Iriona, Havana
DRESSING, BELT—3 cs, 324 lbs, Yarmouth, St John, N B
LEATHER—10 dms, 500 gls, Maidan, Wallsall, England
SHOE—10 cs, 48 gls, Iriona, Havana
GARNET ROCK, GRD—7 dms, 2,000 lbs, Maidan, London
GLUE, MARINE—4 crtns, 42 lbs, Yarmouth, St John, N B
GUM, SYNTH—1 box, 100 lbs, Maidan, London
HARDENING COMP—1 bdl, 10 lbs, Yarmouth, Yarmouth
INK, PRINTING—50 kits, 2 bbls, 4 cs, 2,525 lbs, Iriona, Havana; 100 dms, 44,427 lbs, Caledonia, Glasgow

INSECTICIDE—2 dms, 823 lbs, Iriona, Havana
LARD—30 trcs, 12,106 lbs, Maidan, London
LINING COMP—5 dms, 190 lbs, Iriona, Havana; 40 dms, 1,840 lbs, Hallaren, Goteborg
MEDICINAL PREPS—1 cs, 6 lbs, Iriona, Havana; 600 bx, 3,000 gls, Maidan, London
OIL, FLOOR—1 dm, 55 gls, Maidan, Bristol
LUBRICATING—1 cs, 15 gls, Maidan, London
PAINT—3 pkgs, 13 gls, Lady Somers, Hamilton
POLISH, SHOE—30 cs, 1,387 lbs, Iriona, Havana
STOVE—60 cs, 2,153 lbs, Yarmouth, St John, N B
PROPYLENE STEARATE—2 dms, and 1 crtn, 904 lbs, Maidan, London
SOAP, FLAKE—44 cs, 1,471 lbs, Iriona, Havana
TAR—66 cs, 1,654 lbs, Iriona, Havana
TOILET—50 cs, 1,219 lbs, Iriona, Havana
SODA, CAUSTIC—3 dms, 150 gls, Iriona, Havana
VARNISH—2 half bbls, 110 lbs, Maidan, London
WATERPROOFING MATERIAL—2 dms, 42 lbs, Yarmouth, St John, N B
WAX—11 pkgs, 700 lbs, Yarmouth, Yarmouth
FLOOR—1 cs, 100 lbs, Yarmouth, St John, N B
SHOE—21 cs, 1,445 lbs, Iriona, Havana

Beaumont Exports
Clearance Dates

Bockenheim, January 28; Fagerfjell, January 29

OIL, LUBRICATING — 4,000 pkgs, Bockenheim, Bremen-Hamburg
PETROLEUM, CRUDE—92,028 bbls, Fagerfjell, Naples

Galveston Exports
Clearance Dates

Bockenheim, February 4; Eisenach, Feburary 5; Nicolo Odero, February 5; Petter, February 2; Taegete, February 2; Vasaholm, February 5

COTTONSEED MEAL — 100 tons, Vasaholm, Oslo
OIL, GAS — 3,825 tons, Tagete, Sete
ORE — 1,003 bgs, Nicolo Odero, Marseilles
PETROLEUM, CRUDE — 14,200 tons, Petter, Havre
SULPHUR — 13 tons, Bockenheim, Hamburg; 300 tons, Eisenach, Hamburg

Houston Exports
Clearance Dates

Athos, February 4; Baldhill, February 8; Bockenheim, February 3; Duivendrecht, February 7; Eisenach, February 7; Halsey, (February 4; Kaia Knudsen, February 3; Mathias Stinnes, February 5; Nevada, February 5; Nicolo Odero, February 4; Standella, February 5; Taigete, February 3; Vasaholm, February 3

BLACK, CARBON — 25 tons, Bockenheim, Hamburg; 25 bgs, 4 cs, Vasaholm, Gothenburg; 150 cs, Nicolo Odero, Leghorn; (Mathias Stinnes) 2,500 bgs, Liverpool; 10 cs, London; 5,000 bgs, Liverpool-Manchester; 200 tons, Nevada, Havre; 150 tons, Eisenach, Bremen
GASOLINE — 13,769 bbls, Taigete, Sete
CASING HEAD — 8,000 tons, Standella, Holland
STABILIZED — 8,000 tons, Duivendrecht, United Kingdom
OIL, FUEL—74,000 bbls, Halsey, Curacao
GAS—450 tons, Vasaholm, Malmo; 72,000 bbls, Baldhill, Curacao
LUBRICATING — 115 bbls, Bockenheim, Hamburg; 10,000 bbls, Nicolo Odero, Marseilles
PETROLEUM, CRUDE — 14,000 tons, Kaia Knudsen, Donges; 13,560 tons, Athos, Port de Bouc, Etang de Barre

Los Angeles Exports
Clearance Dates

Albertolite, January 30; Argyll, January 28; Capella, February 2; Fujisan, January 29; Ionic Star, January 28; Komaki, January 26; Lochmonar, January 29; Montebella, February 2; Nordhav, January 30; Pacific Ranger, February 1; Pennsylvania, January 30; Peter Maersk, January 31; President Coolidge, January 29; Regulus, January 30; San Ramon, January 29; Tokai, January 27; West Notus, January 30

ACID, BENZOIC—100 lbs, Peter Maersk, Hongkong
BORIC—62 kgs, 8 bbls, 9,420 lbs, President Coolidge, Hongkong; 20 pkgs, 4,100 lbs, Pacific Ranger, Vancouver; 200 bgs, 22,400 lbs, Ionic Star, Glasgow
CRESYLIC—3,420 lbs, Peter Maersk, Hongkong
BARIUM SULPHATE—4,480 lbs, Peter Maersk, Hongkong
BLEACHING POWDER—10 dms, 1,120 lbs, President Coolidge, Hongkong
BORAX—240 pkgs, 21,720 lbs, Pacific Ranger, Vancouver; 1,200 bgs, 134,400 lbs, Komaki, Dairen; (Ionic Star) 2,200 bgs, 246,400 lbs, Glasgow; 4,120 pkgs, 470,400 lbs, Liverpool
CLAY, FILTER—2,000 lbs, Pacific Ranger, Vancouver
CLEANER—7,910 lbs, President Coolidge, Hongkong; 3,940 lbs, Pennsylvania, Cristobal
GASOLINE—6,359 bbls, 1,659,700 lbs, Regulus, Shimotsu/Osaka; 4,480 bbls, 1,170,000 lbs, San Ramon, Kure; 10,064 bbls, 2,626,700 lbs, Fujisan, Kure; 70 dms, 32,630 lbs, Argyll, Santa Rosalia
LEADED—300 dms, 96,280 lbs, Peter Maersk, Yokohama
GLAUBER'S SALT—16 pkgs, 2,930 lbs, Pacific Ranger, Vancouver
HERBS, DRY—1,150 lbs, Lochmonar, London
INFUSORIAL EARTH—23 bgs, 2,240 lbs, President Coolidge, Manila; (Lochmonar) 532 bgs, 54,180 lbs, London; 766 bgs, 71,680 lbs, Liverpool; 592 sks, 59,200 lbs, Pennsylvania, Havana
LACQUER, THINNER—440 lbs, President Coolidge, Hongkong
OIL, CHINAWOOD—160 lbs, Peter Maersk, Hongkong
DIESEL—52,982 bbls, 16,530,280 lbs, Nordhav, Yokohama; 31,601 bbls, 9,859,510 lbs, Regulus, Shimotsu/Osaka; 16,697 bbls, 5,209,460 lbs, Montebello, Vancouver
FUEL—6,693 bbls, 2,228,770 lbs, Regulus, Shimotsu/Osaka; 22,616 bbls, 7,531,130 lbs, Argyll, Santa Rosalia; (Capella) 40,051 bbls, 13,336,980 lbs, Tocopilla; 48,097 bbls, 16,016,300 lbs, Chanaral; 10,209 bbls, 3,399,600 lbs, Montebello, Vancouver
OIL, ILLUMINATING—(West Notus) 100 cs, 8,500 lbs, Ponce; 900 cs, 76,500 lbs, San Juan
SALAD—1,610 lbs, President Coolidge, Manila
PECTIN, CITROUS—1,500 lbs, Lochmonar, London
PETROLEUM, CRUDE—51,325 bbls, 16,013,400 lbs, Regulus, Shimotsu/Osaka; 70,401 bbls, 21,965,110 lbs, San Ramon, Kure; 75,648 bbls, 23,602,180 lbs, Fujisan, Kure; 63,377 bbls, 19,773,620 lbs, Albertolite, Vancouver; 49,368 bbls, 15,402,820 lbs, Montebello, Vancouver
SOAP, FLAKE—660 lbs, Pacific Ranger, Vancouver
POWDER—150 lbs, Pacific Ranger, Vancouver
TOILET—330 lbs, Pennsylvania, Havana
SODA, BICARBONATE—220 lbs, President Coolidge, Hongkong
SOLVENT—4,780 lbs, Lochmonar, Amsterdam
TALC—200 sks, 8,960 lbs, President Coolidge, Hongkong; 160 bgs, 8,000 lbs, Peter Maersk, Hongkong
TOILET PREPS—850 lbs, President Coolidge, Manila; (Pennsylvania) 400 lbs, Panama City; 2,000 lbs, Havana
XYLOL—8,000 lbs, Peter Maersk, Hongkong

Mobile Exports
Clearance Dates

Frankenwald, February 3; Jaboatao, February 2

OIL, PINE — 28 dms, Frankenwald, Transshipment at Bremen-Hamburg
ROSIN — (Jaboatao) 150 bbls, Recife; 100 bbls, Bahia Blanca; 200 bbls, Rio de Janeiro
WOOD — (Frankenwald) 250 bbls, 253 dms, Hamburg; 10 bbls, Transhipment at Bremen-Hamburg

New Orleans Exports
Clearance Dates

Argual, December 18; Baja California, December 17; 31; Cripple Creek, January 22; Lysefjord, December 15; Sinaloa, December 10; 24; Spaarndam, January 31; Tivives, December 14; Ulua, December 24; Vestvangen, January 29; Winnipeg, January 5

ASPHALT—(Cripple Creek) 10 tons, Liverpool; 20 tons, Manchester; 306 dms, Argual, Guayaquil
BAKING POWDER—200 ctns, Tivives, Tela
BLACK, CARBON—1 ton, Spaarndam, Rotterdam; 3 tons, Cripple Creek, Liverpool; 22 sx, Argual, Valparaiso
CALCIUM ARSENATE—100 dms, Ulua, Callao
CARBIDE—500 dms, Argual, Cristobal
CLAY—100 sx, Ulua, Puerto Colombia; (Winnipeg) 158 tons, Havre; 27 tons, Antwerp
CORN SYRUP—134 tons, Cripple Creek, Liverpool
COTTONSEED PULP—71 tons, Cripple Creek, Manchester
FERTILIZER—20 sx, Vestvangen, Kingston
FIRECLAY—9 tons, Argual, Guayaquil
GASOLINE—70 dms, Sinaloa, Bluefields; 120 dms, 50 cs, Baja California, Bluefields
GLUCOSE—13 bbls, Argual, Panama City
INK—10 dms, Ulua, Havana
KEROSENE—50 cs, 7 dms, 40 ctns, Ulua, Puerto Limon; 100 cs, Sinaloa, Bluefields; 125 cs, 10 dms, Baja California, Bluefields
LARD—(Ulua) 1,800 dms, 1,571 tins, 30 crts, Havana; 150 tins, Panama; 500 tins, Puntarenas; 500 tins, Guayaquil; 75 tins, Tivives, Belize; 14 tons, Cripple Creek, Manchester; 40 dms, Lysefjord, Santiago; (Argual) 650 tins, Panama; 200 tins, Guayaquil; 50 tins, Baja California, Bluefields
OIL, COTTONSEED—25 dms, Ulua, Havana
FUEL—6 dms, Baja California, Bluefields; 70 dms, Sinaloa, Bluefields
LBRICATING—(Vestvangen) 5 dms, Pointe a Pitre; 3 cs, 2 dms, Fort de France; 10 dms, Tivives, Tela; 2 tons, Cripple Creek, Manchester; 10 dms, Argual, Corinto; 20 dms, Baja California, Bluefields
PINE—10 dms, Argual, Coquimbo
REFINED—24 dms, Ulua, Puerto Limon
PAINT—36 cs, Tivives, Puerto Barrios; 24 cs, Sinaloa, Bluefields
PINETAR—10 dms, Vestvangen, Georgetown; 12 tons, Winnipeg, Havre
PRESERVER, WOOD—20 dms, Sinaloa, Bluefields
ROSIN—58 tons, Spaarndam, Rotterdam; 200 sx, Ulua, Cartagena; 20 bbls, Argual, Guayaquil
GUM—50 dms, Argual, Panama
WOOD—(Ulua) 250 cs, 260 dms, Havana; 10 dms, Puntarenas
SALT—(Ulua) 40 tons, Havana; 30 tons, Cristobal; (Tivives) 11 tons, Puerto Barrios; 6 tons, Tela; 3 tons, Baja California, Bluefields
SHRIMP BRAN—222 sx, Argual, Panama
SOYBEAN OIL MEAL—300 sx, Vestvangen, Fort de France
STARCH—27 tons, Spaarndam, Rotterdam; 581 tons, Cripple Creek, Manchester
SULPHUR, CRUDE—5,091 sx, Vestvangen, Port of Spain
WAX—(Ulua) 500 sx, Havana; 100 sx, Puerto Limon; 100 sx, Argual, Tumaco

Norfolk Exports
Clearance Dates

City of Baltimore, February 4; Tiradentes, February 8

ALCOHOL, BUTYL—60 dms, City of Baltimore, Havre
BUTYL ACETATE—60 dms, City of Baltimore, Havre
CARBON TETRACHLORIDE—55 dms, 39,808 lbs, City of Baltimore, London
DEER TONGUE LEAVES—3 bls, 1,521 lbs, Tiradentes, Rotterdam
DRUGS—1 bl, 1 bg, 677 lbs, City of Baltimore, Havre
ISOPROPYL ACETATE—60 dms, City of Baltimore, Havre
MICA, PULV—120 bgs, 12,120 lbs, City of Baltimore, London
PYROPHYLLITE, GRD—1 bg, 52 lbs, City of Baltimore, London
SOYMEAL, FLAKE—16,800 bgs, 750 tons, Tiradentes, Rotterdam
TANNING EXTRACT — 119 bgs, 17,850 lbs, City of Baltimore, Hamburg

Philadelphia Exports
Clearance Dates

Boltonhall, February 13; Camamu, February 9; Collamer, February 9; Cypria, February 10; Excello, February 7; Koenigsberg, February 9; Manchester Exporter, February 8; Oklahoman, February 5; San Anselmo, February 5; Segundo, February 5; Steel Traveler, February 5; Trautenfels, February 4; Wichita, February 9

ACETONE—6 dms, Segundo, Buenos Aires
AMYL ACETATE—20 dms, Segundo, Rio de Janeiro
BERYL — 1 pkg, samples, Manchester Exporter, Manchester
CEMENT, FIBER—3 dms, Koenigsberg, Eucharest
RUBBER—1 dm, Koenigsberg, Bucharest
COALTAR, PROD—3 dms, Segundo, Rio de Janeiro
INTERMEDIATES—3 bxs, 1 dm, Segundo, Rio de Janeiro
COLLODION COTTON—125 pkgs, Manchester Exporter, Liverpool
COMPOUND—12 pkgs, Koenigsberg, Hamburg
CUTTLEFISH BONES—46 cs, Collamer, Bordeaux
DYEWOOD EXTRACT—14 bbls, Segundo, Rio de Janeiro
ETHYL FLUID—29 dms, Collamer, Bordeaux
FILTER SAND — 65 bgs, Segundo, Buenos Aires
GASOLINE—2 pkgs, Koenigsberg, Hamburg; (Camamu) 2,000 cs, Rio de Janeiro; 7,000 cs, Santos; 9,000 cs, Rio Grande do Sul; 3,500 cs, Sao Francisco do Sul; 6,000 cs, Paranagua
GREASE, LUBRICATING—10 dms, 2 ctns, San Anselmo, Corozal; 20 pls, Excello, Istanbul; 1 pkg, Manchester Exporter, Manchester; 2 dms, Koenigsberg, Bucharest; (Camamu) 20 bbls, Rio de Janeiro; 20 cs, 80 bkts, Santos; 30 bkts, Rio Grande do Sul; 10 dms, 10 bkts, Paranagua; 25 cs, Cypria, Casablanca
KEROSENE—(Camamu) 8,000 cs, Rio de Janeiro; 2,000 cs, Santos; 6,000 cs, Rio Grande do Sul; 500 cs, Sao Francisco do Sul
LACQUER—72 ctns, 4 bxs, 5 kits, 3 dms, Segundo, Rio de Janeiro
LARD—150 pkgs, Manchester Exporter, Liverpool
LEAK PREVENTER—2 ctns, San Anselmo, Corozal
LICORICE PASTE—85 pkgs, Manchester Exporter, Liverpool
LINSEED CAKE—1,280 pkgs, Manchester Exporter, Liverpool
MEDICINAL PREPS—29 ctns, San Anselmo, Panama City; 6 bbls, 4 kegs, 4 dms, 4 bxs, Steel Traveler, Shanghai; (Cypria) 20 ctns, Casablanca; 2 cs, Marseilles
MINERAL SPTS — 5 dms, Segundo, Buenos Aires; 1 cs, Camamu, Rio de Janeiro
OIL, LUBRICATING — (Trautenfels) 365 dms, 885 cs, Capetown; 1,136 pkgs, Port Elizabeth; 1,630 dms, 805 cs, Durban; 693 dms, 1,040 cs, East London; 2,650 pkgs, Beira; 8,095 pkgs, Lourenco Marques; 185 pkgs, Tamatave; 12 ctns, San Anselmo, Corozal; 160 dms, 1 pkg, 60 ctns, Excello, Istanbul; (Segundo) 1 bx, Rio de Janeiro; 1 bx, Montevideo; 70 dms, Buenos Aires; (Manchester Exporter) 141 pkgs, Liverpool; 186 pkgs, Birkenhead; 224 pkgs, Manchester; (Wichita) 10 pkgs, Hobart; 1,285 pkgs, Brisbane; 839 pkgs, Sydney; 25 pkgs, Townsville; 26 pkgs, Adelaide; (Koenigsberg) 384 bbls, 53 dms, 29 pkgs, Hamburg; 8 dms, Bucharest; (Collamer) 389 bbls, Havre; 270 bbls, St Nazaire; 556 bbls, Bordeaux; (Camamu) 40 cs, 5 ctns, 11 dms, Victoria; 1 cs, Rio de Janeiro; 340 dms, 485 cs, 590 ctns, 5 bkts, Santos; 105 dms, 85 cs, Rio Grande do Sul; 20 dms, 70 ctns, 5 cs, Paranagua; (Cypria) 151 bbls, 56 dms, 240 cs, 60 ctns, Lisbon; 41 bbls, 143 cs, Leixoes; 10 pkgs, Praia; 41 pks, Loanda; 22 pkgs, Cabinda; 50 dms, 30 bbls, Casablanca; 65 bbls, 38 pkgs, Marseilles; 4 pkgs, Algiers; 14 pkgs, Oran; (Boltonhall) 60 pkgs, Maranhao; 166 pkgs, Ceara; 66 pkgs, Para; 79 pkgs, Maceio; 89 pkgs, Paranagua
MIRBANE — 5 dms, Segundo, Montevideo
NEATSFOOT—10 dms, Koenigsberg, Pasajes
TRANSFORMER—115 dms, 60 cs, Camamu, Santos
PAINT—4 ctns, San Anselmo, Corozal; 105 ctns, 46 kits, Segundo, Rio de Janeiro; 1 bx, Steel Traveler, Manila; 6 cs, 9 dms, Koenigsberg, Bucharest
REMOVER—10 ctns, Segundo, Rio de Janeiro
THINNER—1 ctn, Segundo, Rio de Janeiro
PARAFFIN—655 bgs, San Anselmo, Oruro; 50 bgs, Excello, Istanbul; (Manchester Exporter) 210 pkgs, Liverpool; 294 pkgs, Manchester; 45 bgs, Koenigsberg, Hamburg; 400 bgs, Cynria, Oporto
REFINED—1 bx, Segundo, Rio de Janeiro; 60 bgs, Camamu, Santos
SCALE — 1,260 pkgs, Manchester Exporter, Manchester
PASTE—80 ctns, Steel Traveler, Manila
POLISH, AUTO — 5 ctns, San Anselmo, Corozal; 2 ctns, Segundo, Rio de Janeiro; 1 cs, Koenigsberg, Bucharest
PUTTY—9 ctns, Segundo, Rio de Janeiro
RESIN, COALTAR—14 dms, Collamer, Havre
RUBBER COMPOUNDING AGENTS — 1 dm, Segundo, Rio de Janeiro
SOAP — 300 pkgs, Manchester Exporter, Manchester
TIRE COATING COMP — 1 ctn, San Anselmo, Corozal
TOLUOL — 50 dms, Segundo, Buenos Aires
TRINITROTOLUOL — 1,040 bxs, Oklahoman, Antofagasta
VARNISH — 6 ctns, Segundo, Rio de Janeiro; 2 dms, 1 bx, Steel Traveler, Manila

Port Arthur Exports
Clearance Dates

Actor, February 1; Arletta, February 8; Beaumont, February 3; Clearwater, January 29; Dungannon, February 3; Dentice, February 4; Kongsgaard, February 3; Lindenbank, January 31; Louisiana, January 31; Nederland, February 2; Neptuno, February 2; Nueva Granada, January 29; Salawati, February 4; Uddeholm, February 1; Woensdrecht, February 8

ASPHALT—(Lindenbank) 132 dms, 1,177 bbls, Brisbane; 283 dms, 203 bbls, Melbourne; 1,249 dms, Adelaide; 350 bbls, 1,119 dms, 20 cs, Louisiana, Antwerp; 40 dms, Neptuno, Havana
LIQUID—(Clearwater) 20 cs, Paranagua; 2 bxs, Montevideo; 5 dms, 20 cs, Uddeholm, Stockholm; 6 bxs, Neptuno, Havana
PETROLEUM—8 bxs, Salawati, Calcutta
SOLID—300 dms, Clearwater, Montevideo; 171 dms, Uddeholm, Stockholm
DRESSING, LIQUID WAX—1 dm, 4 cs, Uddeholm, Stockholm; 3 bxs, Neptuno, Havana
ETHYL FLUID—19 bbls, Actor, Vigo
GASOLINE—(Clearwater) 10,000 cs, Ceara; 12,000 cs, Bahia; 5,000 cs, Victoria; 4,000 cs, Paranagua; 2,000 cs, Florianapolis; 300 dms, 3,000 cs, Montevedio; 15,000 cs, Cabedello; (Nueva Granada) 49,848 bbls, Thameshaven; 39,252 bbls, Liverpool; 44,463 bbls, Louisiana, Antwerp; 114,404 bbls, 3 cs, Actor, Vigo; (Nederland) 65,734 bbls, Capetown-Durban; 15,760 bbls, Mombasa; (Neptuno) 75 bbls, 50 dms, 75 cs, Ceiba; 675 bbls, 1,475 cs, 30 dms, Puerto Cortez; 250 bbls, 250 dms, 300 cs, Belize; (Beaumont) 33,908 bbls, Bordeaux-Havre-Rouen; 33,440 bbls, Nantes; 54,327 bbls, Woensdrecht, Antwerp; 56,369 bbls, Arletta, Barcelona and a second safe port in Spain
GREASE, LUBRICATING—(Clearwater) 10 kgs, 126 cs, 10 dms, Bahia; 25 kgs, Victoria; 80 kgs, 44 dms, 85 cs, Paranagua; 115 dms, 90 cs, Montevideo; 8 dms, 7 kgs, 60 cs, Cabedello; 17 cs, 24 bbls, 1 dm, Buenos Aires; (Lindenbank) 10 dms, 20 cs, Brisbane; 30 cs, Melbourne; 5 cs, Adelaide; 301 dms, 121 bbls, 77 cs, Louisiana, Antwerp; 272 dms, 288 cs, 10 ctns, Uddeholm, Stockholm; (Neptuno) 189 dms, 198 cs, Havana; 4 dms, Puerto Cortez; 1 cs, 20 dms, 30 pls, Belize; 84 dms, Dungannon, Ceuta; 25 dms, Safawati, Calcutta
KEROSENE—(Clearwater) 20,000 cs, Bahia; 8,000 cs, Victoria; 3,500 cs, Paranagua; 5,500 cs, Florianapolis; 3,000 cs, 300 dms, Montevideo; 5,000 cs, Cabedello; 7,802 bbls, Thameshaven; 3,886 bbls, Liverpool; 11,188 bbls, 10 dms, Louisiana, Antwerp; 60 dms, Uddeholm, Stockholm; (Nederland) 10,004 bbls, Capetown-Durban; 2,350 bbls, Mombasa; (Neptuno) 90 bbls, Ceiba; 3,000 cs, Puerto Cortez; 50 bbls, 50 dms, 225 cs, Belize; (Konsgaard) 40,564 bbls, London; 11,220 bbls, Killingholm-White Booth Roads; 17,114 bbls, Amsterdam
NAPHTHA—50 cs, Clearwater, Paranagua
OIL, DIESEL—(Clearwater) 420 dms, Bahia; 30 dms, Cabedello; 9,364 bbls, Nueva Granada, Liverpool; 150 dms, Lindenbank, Brisbane; (Neptuno) 24 bbls, Ceiba; 250 bbls, Puerto Cortez
FUEL—54,463 bbls, Dungannon, Ceuta; 42,900 bbls, Dentice, Ceuta
GAS—11,111 bbls, Louisiana, Antwerp
LUBRICATING — (Clearwater) 361 dms, Bahia; 65 cs, Victoria; 147 dms, 95 cs, Paranagua; 415 dms, 1,095 cs, Montevideo; 144 dms, 226 cs, Cabedello; 961 dms, 231 cs, Buenos Aires; (Lindenbank) 375 dms, Brisbane; 345 dms, Melbourne; 160 dms, Adelaide; 387 dms, 2 cs, Louisiana, Antwerp; 65 bbls, 143 cs, 759 dms, 275 ctns, Uddeholm, Stockholm; (Neptuno) 278 dms, 325 cs, Havana; 2 dms, Ceiba; 2 dms, Puerto Cortez; 5 dms, 103 cs, Belize; 800 dms, Dungannon, Ceuta; 605 dms, Salawati, Calcutta
PALE—11,226 bbls, Salawati, Calcutta
PARAFFIN—(Clearwater) 208 bgs, 50 cs, Paranagua; (Lindenbank) 40 cs, Brisbane; 130 cs, Melbourne; 25 cs, Adelaide; 10 cs, Uddeholm, Stockholm; 5,447 bgs, Dungannon, Ceuta

San Francisco Exports
Clearance Dates

Andara, January 26; Chilean Reefer, January 28; Chipana, January 22; Drechtdijk, January 21; Ionic Star, January 26; Lappland, January 21; Loch Monar, January 27; Margaret Johnson, January 28; Oakland, January 22; Pacific Enterprise, January 20; Pennsylvania, January 28; Solana, January 28; Sonora, January 20; Taybank, January 27; W H Berg, January 29

ACETONE—6 dms, Oakland, Maentyluoto; 1 cs, Chipana, La Libertad
ACID, MURIATIC — (Chipana) 10 dms, La Libertad; 48 crbys, Amapala; 3 crbys, Corinto
NITRIC—(Chipana) 1 cs, La Union; 3 crbys, La Libertad
SULPHURIC—3 dms, Chipana, La Libertad; (Taybank) 30 crbys, China; 25 crbys, Philippine Islands
ALUMINA SULPHATE—27 sks, Sonora, Topolobampo
ANTIFREEZE COMP—1 cs, Taybank, Philippine Islands
ANTIKNOCK COMP—10 dms, W H Berg, Vancouver
APRICOT KERNELS—150 sks, Pacific Enterprise, London; 300 sks, Loch Monar, England
ASPHALT—1,298 dms, Taybank, Philippine Islands
PREPARED—3 cs, Chipana, San Jose de Guatemala
BAY LEAVES—1 bl, Taybank, China
BLUE, LAUNDRY — 50 cs, Taybank, Philippine Islands
BONE ASH — 2 dms, Sonora, Mazatlan
BORAX — 1 cs, Sonora, Guaymas
CALCIUM PHOSPHATE — 2 bbls, Sonora, Topolobampo
PHOSPHIDE — 14 cs, Oakland, Hamburg
CARBON BISULPHIDE — (Sonora) 80 dms, Mexico; 10 dms, Manzanillo
DECOLORIZING — 2 cs, Sonora, Mazatlan
CEMENT, SOLDER — 1 cs, Sonora, Topolobampo
CHARCOAL, ANIMAL — 400 sks, Sonora, Topolobampo
CHEMICALS—16 cs, Taybank, China
CHLORINE, LIQ—(Taybank) 204 cyls, China; 32 cyls, Philippine Islands
CINNAMON — 10 bls, Sonora, Mazatlan; (Chipana) 25 bls, La Libertad; 12 bls, Amapala
CLEANER — 1 dm, Taybank, Philippine Islands; 5 cs, W H Berg, Vancouver
CLOVES — 5 bls, Chipana, La Libertad
COALTAR — (Chipana) 4 cs, 5 kgs, San Jose de Guatemala; 10 dms, San Salvador; 3 dms, La Libertad
COLLODION — 2 dms, Chipana, La Libertad
COLORS, DRY — (Lappland) 12 cs, 2 kgs, Mexico; 16 cs, Canal Zone; 2 cs, Chipana, Guatemala; 10 sks, Taybank, Siam
COPRA — 686 tons, Sonora, Mazatlan
CUMIN SEED — 5 sks, Chipana, Amapala
DENTIFRICE — 21 cs, Taybank, China
DISINFECTANT — 1 cs, Taybank, Philippine Islands
DRESSING, BELT — 1 cs, Sonora, Topolobampo
ETHER, SULPHURIC — 8 dms, Chipana, San Salvador
FERROSILICON — ½ ton, Taybank, Philippine Islands
GASOLINE — 25 dms, Chipana, San Jose de Guatemala; 500 cs, Chipana, Guatemala
GASOLINE—100,563 bbls, Andara, Curacao; 14,440 bbls, 100 dms, W H Berg, Vancouver
GLASS, BORAX—2 cs, Chipana, La Union
GLYCERIN—4 cs, Chipana, San Salvador; 200 cs, Taybank, Philippine Islands
GRAPHITE—1 cs, Sonora, Topolobampo
GREASE, LUBRICATING—(Sonora) 74 dms, 35 pls, 15 qtr dms, Topolobampo; 20 pls, Guaymas; 15 pls, Chipana, San Jose de Guatemala; 8 cs, Taybank, Philippine Islands; 3 dms, 6 pls, W H Berg, Vancouver
GRINDELIA ROBUSTA—22 bls, Oakland, Hamburg
GYPSUM—1 kg, Chipana, San Jose de Guatemala
HOPS—10 bls, Ionic Star, England
INK—1 cs, Taybank, Siam
PRINTING—(Taybank) 15 dms, 18 bbls, China; 5 pls, 5 dms, 12 cs, Philippine Islands
INSECTICIDE—10 cs, Chipana, San Jose de Guatemala
LIQUID—20 bbls, Taybank, China
KEROSENE—100 cs, Lappland, Canal Zone; 100 cs, 10 dms, Chipana, Amapala
LACQUER—2 cs, Sonora, Hermosillo; (Chipana) 9 cs, San Jose de Guatemala; 6 cs, San Salvador
SOLVENT—2 cs, Lappland, Mexico
THINNER—1 dm, Sonora, Hermosillo; (Chipana) 1 dm, Guatemala; 2 dms, San Jose de Guatemala; 6 kgs, San Salvador
LEAD ARSENATE, POWDERED—55 dms, Chilean Reefer, France
RED, DRY—8 bbls, Sonora, Mexico
RED IN OIL—1 cs, 10 kgs, Chipana, San Jose de Guatemala
WHITE—4 kgs, Sonora, Guaymas

LEAD, WHITE, DRY—20 kgs, Lappland, Mexico
WHITE IN OIL—(Chipana) 7 cs, Guatemala; 2 cs, 40 kgs, San Jose de Guatemala; 400 kgs, Taybank, Philippine Islands
LIME, HYDRATED—120 sks, Chipana, Corinto
LITHARGE—8 kgs, Sonora, Amapala; 2 pls, Chipana, La Union
LYE—3 cs, Sonora, Guaymas
MEDICINAL PREPS—2 cs, Lappland, Mexico; 7 cs, Taybank, Philippine Islands
MILK SUGAR—150 bbls, Loch Monar, England
MINERAL SPTS—11 dms, Lappland, Canal Zone
NAPHTHALENE—100 lbs, Chipana, Amapala
NUTMEGS—1 sk, Chipana, Amapala
OIL, COCONUT — (Chipana) 30 dms, Guatemala City; 5 dms, San Jose de Guatemala; 25 dms, Corinto
FISH, HARD—(Lappland) 1,822 sks, Ecuador; 60 sks, Panama; 75 sks, Costa Rica; 50 bls, Loch Monar, Panama
FUEL—54,000 bbls, Solana, Manila
LUBRICATING—(Sonora) 118 dms, 90 cs, Topolobampo; 300 pls, 180 cs, 150 dms, Topolobampo; (Lappland) 180 dms, 1 cs, Chile; 40 dms, Peru; (Chipana) 9 dms, 20 cs, Guatemala City; 14 dms, La Libertad; (Taybank) 20 dms, 6 cs, Philippine Islands; 545 dms, 5 cs, China; 121 dms, 5 cs, W H Berg, Vancouver
NEATSFOOT—1 cs, Sonora, Guaymas
SOYBEAN—5 dms, Lappland, Ecuador
TANNING—1 dm, Sonora, Guaymas
TRANSFORMER—1 dm, Sonora, Mazatlan
PAINT—(Sonora) 4 cs, Topolobampo; 20 cs, Hermosillo; 3 cs, Guaymas; 20 cs, Mazatlan; (Lappland) 1 cs, 20 pls, Peru; 6 cs, Canal Zone; (Chipana) 119 cs, 6 kgs, Guatemala; 171 cs, San Jose de Guatemala; (Taybank) 157 cs, 184 kgs, 3 pls, Philippine Islands; 2 cs, China
ENAMEL—(Sonora) 8 cs, Hermosillo; 1 cs, Mazatlan; 1 cs, Lappland, Peru; 8 cs, Chipana, San Jose de Guatemala
FLOOR—6 cs, Chipana, Guatemala
MARINE—10 kgs, Lappland, Peru
PASTE—1 cs, Chipana, Guatemala
PREPARED—8 cs, Lappland, Peru
REMOVER—6 cs, Chipana, San Jose de Guatemala
THINNER—3 kgs, Chipana, San Salvador
PASTE—1 cs, Taybank, Philippine Islands
PEPPER—10 sks, Sonora, Mazatlan; (Chipana) 4 sks, Amapala; 5 sks, La Libertad
BLACK—20 sks, Sonora, Mazatlan; (Chipana) 7 bls, Amapala; 3 sks, San Jose de Guatemala
PETROLEUM — (Sonora) 5 dms, 25 cs, Topolobampo; 5 dms, 20 cs, Guaymas; 50 cs, Taybank, Philippine Islands; 8 cs, W H Berg, Vancouver
REFINED—(Chipana) 50 dms, Acajutla; 500 cs, San Jose de Guatemala
POLISH—3 cs, Taybank, China
FURNITURE—3 cs, Chipana, San Jose de Guatemala
POTASH ETHYL XANTHATE—16 dms, Taybank, China
SULPHATE—1 sk, 1 pkg, Sonora, Topolobampo
PRIMER, MINERAL — 120 sks, Taybank, Philippine Islands
PUTTY—1 cs, Chipana, San Jose de Guatemala
RESIN—1 dm, 1 cs, Lappland, Mexico
SALT—40,000 lbs, Sonora, Topolobampo
SHELLAC—1 bbl, Taybank, China
SILICA POWDER—2 dms, Sonora, Mazatlan
SIZING—2 cs, Taybank, Philippine Islands
LIQUID—5 cs, Taybank, Siam
SOAP, FLAKE—6 cs, Taybank, China
SODA—25 cs, Taybank, China
ASH—40 sks, Sonora, Topolobampo
BICARBONATE—4 cs, Taybank, China
CAUSTIC—70 dms, Sonora, Topolobampo; 20 dms, Oakland, San Jose de Guatemala; 2 dms, Chipana, Corinto; 3 dms, 20 kegs, Taybank, Philippine Islands
SILICATE — 200 sks, Taybank, Philippine Islands
SULPHIDE—1 cs, Chipana, Amapala; 52 dms, Margaret Johnson, Vancouver
SOLUTIONS—2 cs, Taybank, China
SOLVENT, PETROLEUM—10 dms, W H Berg, Vancouver
SULPHUR—1,176 sks, Sonora, Topolobampo; 3 bbls, Chipana, La Libertad
FLOWERS—5 sks, Chipana, La Libertad
TALLOW—8 cks, Pennsylvania, Havana
TAPIOCA—1 sk, Chipana, San Jose de Guatemala
TOILET PREPS—1 cs, Chipana, Corinto; (Taybank) 3 cs, China; 86 cs, Philippine Islands
VARNISH—(Chipana) 3 cs, 2 dms, Guatemala; 14 cs, 2 dms, San Jose de Guatemala; 4 cs, San Salvador; (Taybank) 5 cs, China; 1 cs, Philippine Islands
WAX, FLOOR—2 cs, Chipana, San Jose de Guatemala
XYLOL—1 dm, Margaret Johnson, Vancouver
ZINC DUST—106 cs, Chipana, Amapala; 35 cs, Loch Monar, Venezuela

Savannah Exports

Clearance Dates

Port Caroline, February 7; San Angelo, February 7

OIL, PINE—(Port Caroline) 25 dms, Sydney; 15 dms, Melbourne; 12 dms, Adelaide
ROSIN, GUM—(San Angelo) 50 dms, Lima; 5 dms, Port of Spain; 50 dms, Buenaventura; 10 dms, Bucamaranga; 50 dms, Medellin; 4 bbls, 240 dms, Valparaiso; (Port Caroline) 175 bbls, 3 dms, Brisbane; 764 bbls, 8 [illegible] bbls, Melbourne; 110 bbls, Adelaide; 110 bbls, Fremantle; 10 bbls, Perth
WOOD—(Port Caroline) 5 bbls, Sydney; 30 bbls, Melbourne; 5 bbls, Adelaide
TURPENTINE GUM—(San Angelo) 10 dms, Valparaiso; 100 cs, 10 dms, Talcahuano; (Port Caroline) 40 cs, 18 dms, 150 pls, Brisbane; 720 cs, 263 dms, 50 pls, Sydney; 16 dms, 30 pls, Wellington; 720 cs, 161 dms, 15 pls, Melbourne; 80 cs, 46 dms, Adelaide; 260 cs, 19 dms, Fremantle; 70 cs, Perth
WOOD—(Port Caroline) 6 dms, 175 pls, Brisbane; 6 dms, 50 pls, Sydney; 100 pls, Melbourne; 25 cs, 25 pls, Fremantle

Tampa Exports

Clearance Dates

Cuba, February 3, 5; Frankenwald, February 1; Leerdam, February 5; Simon von Utrecht, February 4

BAKING POWDER—1 ctn, Cuba, Havana
INSECTICIDE—40 dms, Cuba, Havana
PHOSPHATE—4,000 tons, Frankenwald, Hamburg; 4,197 tons, Simon von Utrecht, Hamburg; 4,205 tons, Leerdam, Antwerp
PRESERVER, WOOD—3 dms, Cuba, Havana
SODA BICARBONATE—6 ctns, Cuba, Havana
STARCH—1 ctn, Cuba, Havana

Coastwise Shipments

Corpus Christi Coast Trade

GASOLINE—79,560 bbls, Beaconstar, Baytown
OIL, FUEL—46,106 bbls, Kekoskee, New York
RANGE—71,061 bbls, Edward L Doheny, Baytown
PETROLEUM, CRUDE—66,292 bbls, Texas, Port Arthur; 30,998 bbls, Federal, Houston; 67,891 bbls, Paulsboro, Providence, R I; 106,777 bbls, F Q Barstow, Baytown; 148,412 bbls, John D Archbold, Baytown; (Thermo) 50,204 bbls, Texas City; 47,165 bbls, Baytown; 55,960 bbls, Paco, Texas City; 69,966 bbls, Cities Service Koolmotor, Baytown; 65,476 bbls, Hadnot, Baytown; 148,539 bbls, Wm Rockefeller, Baytown; 75,080 bbls, Hagood, Baytown; 72,895 bbls, Cities Service Ohio, Baytown; 69,283 bbls, Argon, Baytown; 142,-690 bbls, W S Farish, Baytown

Los Angeles Coast Trade

GASOLINE—10,300 bbls, San Diegan, San Diego; 8,443 bbls, La Purisima, Oleum; 72,172 bbls, Mojave, Oakland; 73,662 bbls, Agwiworld, San Francisco; 69,974 bbls, Illinois, Seattle; 10,131 bbls, San Diegan, San Diego; 81,000 bbls, Olney, Norfolk
KEROSENE—4,008 bbls, Illinois, Seattle
OIL, DIESEL—10,995 bbls, Agwiworld, San Francisco; 8,944 bbls, Warwick, San Diego; 5,414 bbls, Emidio, Portland
FUEL—49,595 bbls, Torrey, San Francisco; 2,414 bbls, Coast Merchant, Portland; 2,400 bbls, Coast Farmer, Seattle; 32,492 bbls, La Purisima, Oleum; 60,677 bbls, Emidio, Portland
FURNACE — 3,514 bbls, Mojace, Oakland; 1,733 bbls, Emidio, Portland
PETROLEUM, CRUDE—71,373 bbls, La Placentia, Oleum
DISTILLATE—73,492 bbls, Paul Shoup, Avon
REFINED—21,403 bbls, La Purisima, Oleum; 32,434 bbls, Warwick, San Diego

San Francisco Coast Trade

ALCOHOL — 75 dms, Nabesna, Portland, Ore
ASPHALT — 300 bbls, Nabesna, Portland, Ore
150 dms, Peter Helms, Seattle
73,000 bbls, D G Schofield, Providence
BONEMEAL — 500 sks, Charles L Wheeler, Jr, Portland, Ore
CEMENT, LIQUID — 97 dms, Nabesna, Portland, Ore
22 dms, Peter Helms, Seattle
CHLORINE BLEACH, LIQUID—700 cs, Peter Helms, Seattle
600 cs, Charles L Wheeler, Jr, Portland, Ore
CLEANNG COMP — 7 pls, Pennsylvania, Philadelphia
DRUGS — 50 pkgs, Nabesna, Portland, Ore
100 pkgs, Peter Helms, Seattle
FISH MEAL — 40 tons, Celilo, Los Angeles
INK, PRINTING—94 bbls, Peter Helms, Seattle
LACQUER SOLVENT—10 tons, Timber Rush, New York
LARD SUBSTITUTE—100 dms, Peter Helms, Seattle
LIME — 1,200 bbls, Peter Helms, Seattle
LITHARGE — 19 tons, West Notus, Brooklyn
MILK POWDER — 18 tons, Pennsylvania, Philadelphia
OIL—126 tons, Pennsylvania, Newark
OIL, FURNACE—108,000 bbls, H M Storey, Baltimore-Providence
LUBRICATING—60 dms, Peter Helms, Tacoma
65 dms, Peter Helms, Seattle
100 dms, Charles L Wheeler, Jr, Portland, Ore
84 tons, Celilo, Los Angeles
5 dms, Pennsylvania, Philadelphia
PAINT—26 tons, Celilo, Los Angeles
ROOFING — 13 tons, Lurline Burns, Seattle
PEANUTS—325 sks, Peter Helms, Tacoma
850 sks, Peter Helms, Seattle
PETROLEUM PRODUCTS—645 pkgs, Peter Helms, Seattle
RICE BRAN—40 tons, Celilo, Los Angeles
SALT—1,317 pkgs, Nabesna, Portland, Ore
1,050 tons, Peter Helms, Tacoma
1,490 pkgs, Peter Helms, Seattle
178 tons, Lurline Burns, Seattle
1,590 pkgs, Charles L Wheeler, Jr, Portland, Ore
1,606 pkgs, Silverado, Seattle
47 tons, Celilo, Los Angeles
SOAP—1,138 sks, Peter Helms, Seattle
771 pkgs, Silverado, Seattle
36 tons, Celilo, Los Angeles
SODA SILICATE—15 tons, Lurline Burns, Seattle
43 tons, Celilo, Los Angeles
SUNFLOWER SEED—21 tons, San Felipe, Baltimore
TALLOW—297 tons, Timber Rush, New York

Cargo Ship Arrivals

February 12 to February 25

New York

Alex Van Opstal	Antwerp	Feb 20
Amazone	Maracaibo*	Feb 14
American Banker	London	Feb 15
American Shipper	Manchester*	Feb 21
American Trader	London	Feb 21
Andania	Havre*	Feb 22
Andrea F L'ckenb'ch	Seattle*	Feb 24
Antigua	Puerto Colombia*	Feb 16
Aquitania	Southampton*	Feb 15
Argosy	Stockholm*	Feb 16
Asturias	Ilheos	Feb 22
Atutasan	Tama*	Feb 21
Basil	Bahia*	Feb 21
Batory	Gdynia*	Feb 14
Belle Isle	St John's*	Feb 17
Belvedere	Genoa*	Feb 22
Black Falcon	Antwerp*	Feb 16
Black Heron	Antwerp*	Feb 16
Black Osprey	Antwerp*	Feb 22
Borinquen	Trujillo*	Feb 14
Buenaventura	Port au Prince*	Feb 21
Cameronia	Glasgow*	Feb 14
Charles H Cramp	Mombasa*	Feb 24
City of Flint	Liverpool*	Feb 15
City of Rangoon	Calcutta*	Feb 15
City of Rayville	Whyalla*	Feb 17
City of Yokohama	Koilthottan	Feb 25
Colombia	Puerto Colombia*	Feb 14
Cristobal	Cristobal*	Feb 14
Deutschland	Hamburg*	Feb 18
Dolius	Batavia*	Feb 20
Eastern Prince	Buenos Aires*	Feb 16
Exchange	Constanza*	Feb 25
Exeter	Jaffa*	Feb 17
Exchester	Oran*	Feb 25
Falcon	Maracaibo*	Feb 21
Fort Townshend	Trinidad*	Feb 19
Gloucester City	Bristol*	Feb 23
Greylock	Port Natal*	Feb 21
Gunvar	Georgetown*	Feb 15
Haiti	Puerto Colombia*	Feb 21
Hokuroku	Osaka*	Feb 25
Ingria	Marseilles*	Feb 14
Irisbank	Manila*	Feb 14
J L Luckenbach	Seattle*	Feb 16
Kentuckian	Portland*	Feb 16
Kersten Miles	Hernosand*	Feb 23
Kiyosumi	Manila*	Feb 25
Korsholm	Hernosand*	Feb 18
Kosei	Kobe*	Feb 20
Lafayette	Havre*	Feb 16
Lages	Santos*	Feb 24
Lancastria	Liverpool*	Feb 15
Liguria	Ilheos*	Feb 21
Linnell	Santos*	Feb 25
Luna	Trinidad*	Feb 18
Manhattan	Hamburg*	Feb 17
Markhor	Calcutta*	Feb 23
Milwaukee	Hamburg*	Feb 14
Minden	Rosario*	Feb 14
Minnequa	Rio de Janeiro*	Feb 15
Montanan	Portland*	Feb 22
Munargo	Havana*	Feb 17
Nairnbank	Calcutta*	Feb 18
New Brooklyn	Freetown*	Feb 24
New Orleans	Hongkong*	Feb 14
Noto	Keelung*	Feb 18
Oranje Nassau	Paramaribo*	Feb 14
Panuco	Tampico*	Feb 14
Pennsylvania	San Francisco*	Feb 14
Pennsylvania	Los Angeles	Feb 19
Platano	Puerto Castilla*	Feb 17
Port Montreal	Melbourne*	Feb 24
Sagaporack	Stockholm*	Feb 17
Salabangka	Batavia*	Feb 22
Santa Lucia	San Antonio*	Feb 21
Santa Paula	Cartagena*	Feb 22
Santa Rita	Antofagasta*	Feb 14
Santa Rosa	Cartagena*	Feb 15
Sawokla	Calcutta*	Feb 19
Scanpenn	Copenhagen*	Feb 17
Schodack	Havre*	Feb 23
Scythia	Liverpool*	Feb 22
Seatrain New York	New Orleans*	Feb 15
Siamese Prince	Hongkong*	Feb 25
Steel Mariner	Singapore*	Feb 23
Talamanca	Cristobal*	Feb 20
Texan	Tacoma*	Feb 24
Texas Banker	Houston*	Feb 15
Texas Ranger	Houston*	Feb 22
Thurland Castle	Batavia*	Feb 23
Timber Rush	Los Angeles*	Feb 23
Tonsbergfjord	Antwerp*	Feb 19
Tweedbank	Hongkong*	Feb 24
Vigrid	Gdynia*	Feb 19
Vincent	Dunkirk*	Feb 17
Vimeira	Yokohama*	Feb 23
Volendam	Rotterdam*	Feb 15
Vulcania	Naples*	Feb 16
Westernland	Antwerp*	Feb 15
West Cape	Portland*	Feb 21
West Imboden	Buenos Aires*	Feb 25
West Kebar	Freetown*	Feb 14
Western World	Buenos Aires*	Feb 23
West Notus	Seattle*	Feb 25
Yucatan	Vera Cruz*	Feb 20

* And other ports

Recent Charters

PETROLEUM—4,987 tons, S S Albert L Ellsworth, dirty, Gulf to Dunkirk, 27s 7½d; March-April
3,665 tons, S S J P Pedersen, dirty, Aruba to United Kingdom, Continent, two trips, 21s; April-May
2,883 tons, S S Katendrecht, clean, Gulf to United Kingdom, Continent, 27s 6d; April
2,886 tons, S S Nausican, dirty, Venezuela to Dunkirk, 23s; April
3,697 tons, S S Madrono, dirty, Gulf to Antwerp, 27s; March
3,999 tons, S S Britta, dirty, Cartagena to Vallo, 28s 6d
3,714 tons, S S Havkong, dirty, California to Japan, two trips, 29s; March
3,760 tons, S S Belita, clean, Gulf to French Atlantic, 29s; March
3,741 tons, S S Sveve, clean, Aruba or Curacao to United Kingdom, Continent, 22s 9d; April-May
—— tons, S S (—— Maersk), dirty, Gulf to Hamburg, five trips, 21s 9d; option nine trips, 20s 9d; March-April
3,840 tons, S S Polkarp, clean, 20 trips, Gulf to United Kingdom, Continent, 19s; May-July
3,349 tons, S S Gustaf E Reuter, dirty, Tampico to United Kingdom, Continent, 25s; April
2,883 tons, S S Katendrecht, clean, Aruba to United Kingdom, Continent, 22s 6d; option Gulf, 27s 6d; April-May
3,171 tons, S S Litiopa, dirty, Gulf to Dunkirk, 26s 6d; March-April

Imports Detained

Detentions recently effected at various port by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drugs act or did not comply with other customs regulations included the following articles for the reasons stated:—

New York

Week Ended February 16

Cassia oil, 10 drums; contains rosin and heavy metals.
Cocoa beans, 1,169 bags; moldy.
Cod oil, industrial, 397 drums; restricted use.
Digitalis leaves, 3 cases; excessive moisture.
Gum, benzoin, 50 cases; deficient in alcohol soluble extractive; excessive acid insoluble ash.
myrrh, 10 cases; deficient in alcohol soluble extractive.
Locus beans, 32 bags; filthy.
Medicinal preparations, 1 parcel; false therapeutic claims.
Medicinal preparations, 1 case; deficient in declared potency.
Medicinal preparations, 5 parcels; misbranded as to composition.
Nutmegs, technical, 346 bags; restricted use.
Pollack liver oil, 50 drums; restricted use.

Boston

Week Ended February 16

Codliver oil, 103 drums; not U.S.P.

Buffalo

Week Ended February 16

Medicinal preparation, 1 package; false therapeutic claims.

Philadelphia

Week Ended February 16

Mustard seed, 500 bags; filthy.

Import Appraisal Sampling Changed

—*Continued from page 3*

Agar-agar
Albumen
Aluminum and aluminum alloys in forms provided for in paragraph 374 of the tariff act
Arrowroot
Asbestos in forms provided for in paragraph 1616 of the tariff act
Ashes of wood or beetroot
Asphaltum
Balsams
Bauxite
Cocoa butter
Camphor
Casein
Cassia, unground
Chalk or whiting as provided for in paragraph 20 of the tariff act
Chemical compounds
Coaltar products, including cresylic acids, cresols, creosotes, distillates, dyes and intermediates
Cyanides and cyanide salts and mixtures provided for in paragraph 1667 of the tariff act
Dextrins
Eggs
Fats, animal and fish
Feldspar, crude
Fertilizers
Pyrathrum flowers
Fluorspar
Gelatin, edible and inedible
Glue and gluestock
Glycerin
Graphite
Grease, animal and fish
Gums and resins, natural and synthetic
Gypsum, crude, ground, or calcined
Hops
Iodine
Iridium
Lard and lard substitutes
Butter and butter substitutes
Lime
Matches of all kinds
Fish meal
Menthol
Mica waste and scrap
Milk, dried
Naphthalene
Vegetable oilcake and oilcake meal
Mineral, vegetable, and fish oils
Oleostearin
Paints of all kinds
Petroleum and petroleum distillates
Pigments of all kinds
Laminated products of which synthetic resin or resinlike products are the chief binding agents
Pumice stone
Pyrites in natural state
Quicksilver
Quinine sulphate
Rennet
Saffron not specially provided for
Salt
Seeds of all kinds except flax and castor
Shellac
Soap
Loofah sponges and marine sponges
Starches as provided for in paragraphs 83 and 84 of the tariff act
Chemical stoneware
Talc as provided for in paragraph 209 of the tariff act
Vegetable tallow
Tankage
Tin in blocks, plate, and scrap
Spirits of turpentine
Mineral water
Wax, animal, vegetable, or mineral
Yeast
Egg yolks
Zinc in sheets.

Foreign Trade Openings

Correspondence in regard to any of the following foreign trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, or to any of the district offices or co-operative office of the bureau and not to this publication. When writing give the number of the item:—

Acetic acid:—Purchase; Manchester, England (5429).
Benzol:—Purchase; Montreal, Canada (5430).
Black, carbon:—Purchase and agency; Paris, France (5375).
Brushes, tooth:—Agency; Cairo, Egypt (5416).
Cleaning compounds, household:—Purchase and agency; Heerle, Netherlands (5374).
Disinfectants and liquid soaps:—Agency; Santurce, Puerto Rico (5408).
Emulsifiers for polishes and cosmetics:—Purchase; Slany uPrahy, Czechoslovakia (5435).
Ink, printing, black:—Purchase and agency; Santiago, Chile (5375).
Gasoline, fuel quality:—Agency; N'Dola, Northern Rhodesia (5404).
Kerosene:—Agency; Caracas, Venezuela (5412).
Petroleum Jelly:—Purchase; Warsaw, Poland (5294).
Pharmaceuticals:—Agency; Cairo, Egypt (5299).
Pharmaceuticals:—Agency; Mexico City, Mexico (5258).
Pharmaceuticals and insecticides:—Agency; Caracas, Venezuela (5316).
Pharmaceuticals:—Agency; Cairo, Egypt (5416).
Pharmaceutical specialties, proprietary:—Purchase and agency; Brussels, Belgium (5378).

Oils, Fats and Waxes

Fats and Greases

—*Continued from page 43*

TALLOWS (tierces).—Edible, 6⅛c. to 6¼c. per pound; prime, 6c. to 6¼c.; fancy, 6c. to 6⅛c.; special, 5¼c. to 5½c.; No. 1, 5c. to 5¼c.

GREASES (tierces).—Choice white, 6c. to 6¼c. per pound; A white, 5¼c. to 5½c.; B white, 4¾c. to 5c.; yellow, 10-16, 4½c. to 4¾c.; yellow, 16-20, 4½c. to 4⅝c.; brown, 4¼c. to 4½c.

STEARINS (barrels).—Prime oleo, 6¾c. to 7c. per pound; lard, packages, 9c. to 9¼c.; A white grease, 6c. to 6¼c.; yellow grease, 4¾c. to 5c.; extra oleo stocks, 8½c. to 9c.; No. 2 stocks, 8c. to 8½c.

Liverpool, Feb. 18.—Quotations per cwt. on refined American lard were as follows:—

	Spot.	March.	May.	July.
	s. d.	s. d.	s. d.	s. d.
Saturday	49 6	44 6	44 9	45 3
Monday	49 6	44 6	45 0	45 6
Tuesday	49 0	44 6	45 0	45 6
Wednesday	49 0	44 6	45 0	45 6
Thursday	49 6	45 3	45 9	46 3
Friday	50 6	46 0	46 6	47 0

Liverpool, Feb. 18.—Quotations per cwt. on tallow were as follows:—

	Choice.	Fine, good mixed.
	s. d.	s. d.
Saturday	22 0	21 0
Monday	22 0	20 9
Tuesday	22 0	20 9
Wednesday	21 6	20 0
Thursday	21 6	20 0
Friday	21 6	20 0

Fatty Acids

Capric Acid.—Quotations were stationary and the tone of the market appeared to be firm. There were reports of a somewhat better inquiry. Buyers were not inclined to anticipate but the movement to makers of chemical bases and compounds was sufficient to keep supplies down to a low level.

Castor Oil.—A steady tone continued to prevail in the market for this fatty acid. Makers of cosmetics and synthetic resins were still generally disposed to pursue a conservative course in purchasing operations but there was a fair call for moderate quantities, the aggregate movement of such lots apparently being up to that of recent preceding weeks.

Coconut Oil.—Basic material was slightly easier but the market for coconut oil fatty acid retained a steady tone, quotations being held at former levels. There was a fair inquiry from makers of synthetic resins and cosmetics, but purchasing apparently did not involve individual lots of importance.

Corn Oil.—The market remained in a firm position. Production is reported to have been on a comparatively small scale in recent weeks owing to a lack of adequate supplies of basic material. There was a fairly active inquiry.

Myristic Acid.—The situation continued to be featured by a firm tone although there was little to record in the way of activity as supplies are light, the output for some time past having been comparatively small. Quotations were mainly nominal.

Palm Oil.—A steady tone prevailed in the absence of any material change in the position of basic material. There was a fair inquiry for moderate quantities from makers of soaps and compounds used in the textile industry.

Perilla Oil.—Basic material appeared to be in a steadier position but aside from this the situation lacked new features. There was a fair call from makers of synthetic resins. Supplies on spot were said to be light and quotations were maintained at former levels.

Red Oil.—Quotations were unchanged and the tone of the market appeared to be steady. Basic material was steadier. Business in red oil was reported as more active in some instances. Consumers were not inclined to purchase ahead to any important extent but an increase was noted in the inquiry for moderate quantities.

Soybean Oil.—Prices remained at former levels but the tone of the market was regarded as firmer owing to the strength recently displayed by basic material. There was a fair inquiry from makers of synthetic resins.

Stearic Acid.—Selling schedules were maintained by producers at the levels prevailing in the previous week and the tone of the market appeared to be steady. Tallow offerings were light and the tone of that commodity was steadier. Makers of cosmetics and candles were not inclined to purchase ahead to any material extent but there were reports of a somewhat better inquiry for moderate quantities.

Markets at Other Centers

Chicago, Feb. 18.—Buying of fatty acids proceeds in routine fashion. With most of the basic products rather steady, no important change has been noted in the price structure.

FATTY ACIDS.—Corn oil, double distilled, 7¾c. to 8c. per pound, tankcar; 8¼c. to 8½c., barrels, car lots; 8¾c. to 9c., barrels, less than car lots; coconut oil, acidulated, 8¼c. to 8½c. per pound, tankcar, mostly nominal; 8¾c. to 9c., barrels, car lots; 9¼c. to 9½c., barrels, less than car lots; cottonseed oil, double distilled, 7½c. to 7¾c. per pound, tankcar; 8c. to 8¼c.; 8½c. to 8¾c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 2⅞c. to 3c.; boiled down soap stock, 65 percent basis, 3⅞c. to 4c.; cottonseed foots, 50 percent basis, 1¼c. to 1½c.

RED OILS.—Distilled or saponified, drums, 9½c. to 10½c. per pound; barrels, 9⅝c. to 10⅝c.

STEARIC ACID.—Distilled, single press, 10½c. to 11½c. per pound; double press, 11c. to 12c.; triple press, 13¾c. to 14¾c.; saponified, ¼c. higher.

Waxes

Bees.—The market was slow. Large buyers were aloof from the spot and the smaller users were interested mainly in quantities not much above actually jobbing business. Pricewise the market seemed to be fairly steady and some felt that a reasonable expansion in demand would stiffen values substantially and in short order.

Candelilla.—Spot and shipment quotations were practically at parity. Lack of demand kept the spot market lower than replacement cost would justify and it will require a considerable broadening of demand to establish a proper price parity.

Carnauba.—The spot market was definitely competitive and while open quotations lacked any change the tendency of some sellers was to shade prices when firm orders were in sight. By contrast the Brazilian market appeared to be very firm. Offerings from the source were few and far between and attempts to bid for a supply usually resulted in failure to close the business. Reports coming from the source stated that the crop was complete and in some instances the added advice that shipments from the interior were unsatisfactory was noted.

Japan.—Demand was very light and the market was dull as well as easy. However quotations were already so low that local dealers kept them unchanged and intact pending the further development of the at present unsatisfactory situation in this market.

Cottonseed Crushings Increase

Cottonseed received at mills, crushed and held, and cottonseed products manufactured, shipped out, and held, August 1 to January 31, 1938, and 1937, amounted, according to the Bureau of Census, to the following quantities:—

Cottonseed
Received, Crushed and Held

	Received at mills* Aug. 1 to Jan. 31.		Crushed Aug. 1 to Jan. 31.		On hand at mills January 31.	
	1938.	1937.	1938.	1937.	1938.	1937.
	Tons					
United States	5,719,704	4,222,869	4,322,085	3,364,155	1,439,194	880,640
Alabama	352,473	318,501	302,018	261,049	50,736	58,169
Arkansas	573,842	433,702	388,379	324,387	185,347	109,941
California	260,310	164,911	123,509	97,275	142,269	68,744
Georgia	469,022	429,406	414,536	366,269	56,814	65,014
Louisiana	248,528	216,118	217,346	189,163	31,386	28,629
Mississippi	885,808	795,792	581,383	518,276	312,391	279,552
North Carolina	253,916	205,859	215,843	185,416	38,484	21,133
Oklahoma	261,879	81,918	222,487	75,419	39,894	7,554
South Carolina	221,429	191,794	204,496	175,674	17,583	17,305
Tennessee	399,504	346,767	283,710	251,866	116,267	95,712
Texas	1,546,517	881,732	1,221,163	804,987	348,226	86,621
All other states	246,416	156,369	147,215	114,374	99,797	42,266

* Includes seed destroyed at mills but not 42,394 tons and 21,926 tons on hand August 1, nor 97,196 tons and 52,557 tons reshipped for 1938 and 1937, respectively.

Cottonseed Products
Manufactured, Shipped Out, and Held

	On hand August 1.	Produced Aug. 1 to Jan. 31.	Shipped out Aug. 1 to Jan. 31.	On hand Jan. 31.
Crude oil, pounds—				
1937-1938	*11,141,266	1,313,737,258	1,232,811,170	*210,707,937
1936-1937	19,191,508	1,003,684,642	962,191,170	146,609,312
Refined oil, pounds—				
1937-1938	†441,052,343	‡994,654,880	.....	†491,001,394
1936-1937	318,873,305	813,945,023	.....	460,823,301
Cake and meal, tons—				
1937-1938	41,952	1,927,158	1,757,115	211,995
1936-1937	65,053	1,501,007	1,341,732	224,328
Hulls, tons—				
1937-1938	43,422	1,105,684	1,021,926	127,180
1936-1937	23,893	858,870	718,478	164,287
Linters, running bales—				
1937-1938	61,547	982,887	582,940	461,494
1936-1937	43,819	817,595	651,939	209,475
Hull fiber, 500-lb. bales—				
1937-1938	1,828	41,793	16,786	26,835
1936-1937	88	30,333	26,959	3,462
Grabbots, motes, etc., 500-lb. bales—				
1937-1938	7,379	51,920	18,355	40,944
1936-1937	2,991	36,693	25,320	14,364

* Includes 4,272,188 and 81,585,791 pounds held by refining and manufacturing establishments, and 4,369,480 and 45,696,526 pounds in transit to refiners and consumers August 1, 1937, and January 31, 1938, respectively.

† Includes 13,349,453 and 10,245,537 pounds held by refiners, brokers, agents, and warehousemen at places other than refineries and manufacturing establishments, and 7,957,878 and 5,163,541 pounds in transit to manufacturers of lard substitute, oleomargarine, soap., etc., August 1, 1937, and January 31, 1938, respectively.

‡ Produced from 1,086,642,347 pounds of crude oil.

Exports and Imports for Five Months Ended December 31

	1937.	1936.
Oil, crude, pounds	2,169,686	43,306
Oil, refined, pounds	2,332,177	714,620
Cake and meal, tons of 2,000 pounds	56,885	3,041
Linters, running bales	128,268	102,650
Imports—		
Oil, crude, pounds	*4,094	3,196,802
Oil, refined, pounds	*20,836,849	33,708,812
Cake and meal, tons of 2,000 pounds	3,013	11,600
Linters, bales of 500 pounds	5,383	21,192

* Amounts for January not included above are 112,479 pounds refined "withdrawn from warehouse for consumption," and 1,300,000 refined, "entered directly into warehouse."

Unilever Group Buys Newfoundland Margarin Co.

Control of Harvey Brehm and the Newfoundland Butter Co., Newfoundland's only margarin manufacturers, has been acquired by Lever Brothers & Unilever.

It was recently reported that Lever Brothers & Unilever N. V. had acquired N. V. Pasman Fabriken. It is now officially confirmed that the former has also acquired Pasman Exports Lachtergen and Fabriken N. V. The latter company has a capital of Fls. 1,000,000 ($415,000), of which amount Fls. 300,000 ($125,000) is paid up.

The company owns bacon-curing works and an export slaughter house. N. V. Pasman Fabriken is concerned with the manufacture of oil, and soap. All the shares of both these Dutch concerns have now come into the hands of Lever Brothers & Unilever N. V.

Wax Importers Ass'n Elects Strahl President

The annual meeting of the New York Wax Importers' Association, held January 18 in the New York Athletic Club, this city, resulted in the election of E. Strahl, of Strahl & Pitsch, to serve as president during the ensuing year, succeeding W. F. Leary, of William M. Allison & Co. Other officers were elected as follows:—Vice-president, R. E. Sievert, of Frank B. Ross, Inc.; treasurer, Charles Christman, of Smith & Nichols, and secretary, F. W. Stedman, of the Lenape Trading Company.

Margarin Manufacturing Operations Off in Dec.

According to figures reported to the Bureau of Internal Revenue, Washington, the margarin manufacturers' production in December, 1937, compared with December, 1936, as follows:—

	Dec., 1937.	Dec., 1936.
	Pounds	
Total production of uncolored oleomargarin	*37,273,984	†38,612,503
Total withdrawn tax-paid	36,388,855	37,928,726

Ingredients used in the production of colored and uncolored margarin in December, 1937, compare with December, 1936, as follows:—

In Uncolored Margarin

	Dec., 1937.	Dec., 1936.
	Pounds	
Babassu oil	664,345	1,014,639
Coconut oil	6,218,179	10,866,606
Corn oil	161,167	25,317
Cottonseed oil	18,915,006	12,653,937
Derivative of glycerin	110,069	125,411
Lecithin	6,092	2,127
Milk	6,652,630	7,153,649
Neutral lard	186,928	194,513
Oleo oil	682,490	1,899,925
Oleo stearin	254,778	296,814
Oleo stock	44,608	236,620
Ouricury	.....	39,451
Palm oil	.....	277,219
Palm kernel oil	515,277	161,613
Peanut oil	145,188	337,726
Salt	1,720,459	1,872,618
Sesame oil	.....	1,800
Soda benzoate	13,694	15,438
Soybean oil	2,725,995	3,813,294
Vitamin concentrate	331	.....
Total	39,017,236	40,988,717
Total production of colored oleomargarin	117,213	‡160,724
Total withdrawn tax-paid	57,126	62,556

In Colored Margarin

Babassu oil	.....	305
Coconut oil	6,722	49,800
Color	117	127
Corn oil	12	.....
Cottonseed oil	54,589	34,877
Derivative of glycerin	271	204
Milk	28,808	34,860
Neutral lard	4,335	3,770
Oleo oil	20,246	27,538
Oleo stearin	1,602	400
Oleo stock	514	2,850
Ouricury	.....	150
Palm oil	.....	6,220
Palm kernel oil	975	.....
Peanut oil	7	390
Salt	8,735	13,663
Soda benzoate	27	110
Soybean oil	9,575	2,440
Total	135,935	178,013

* Of the amount produced, 25,335 pounds were reworked.

† Of the amount produced, 38,565 pounds were reworked.

‡ Of the amount produced, 26 pounds were reworked.

Lever Brothers-Unilever Make Directorate Changes

Important changes on the boards of Lever Brothers & Unilever and Lever Brothers & Univeler N. V. have recently been announced.

Dr. R. J. H. Patijn, Horatio Ballantyne, J. W. Pearson and the Marquess of Carisbrooke have resigned their directorships and have been appointed advisory directors of both concerns. In order to fill the vacancies which have thus arisen, H. Davis, J. L. Heyworth and J. P. Van den Bergh have been appointed members of the board of the British company. It is intended that at the next general meeting of the Dutch company they will be proposed also as members of the board of the latter.

Further, in order that the personnel of the boards of the British and Dutch companies should be the same, Arthur Hartog, P. D. H. Hendriks, Henri Jurgens, Rudolf Jurgens, J. L. Polak and Franz Schicht, who are at present members of the board of Unilever, have, in consequence of the amalgamation with Lever Brothers, been appointed members of the board of Lever Brothers & Unilever.

In the British company Viscount Leverhulme will be governor, Francis D'Arcy Cooper, chairman, and H. Greenhalgh and Albert Van den Bergh joint vice-chairmen of the board. In the Dutch company, George Schicht will be governor. P. Rykens and Dr. Heinrich Schicht will be joint chairmen, and Arthur Hartog and Rudolf Jurgens joint vice-chairmen of the board. The alteration of the articles of association necessitated by these appointments will be submitted to the next general meeting for approval.

Sheanut Oil Freights Lowered

The New York Public Service Commission has approved new commodity freight rates on the following:—

Of a miscellaneous schedule filed by the Erie railroad relating to transit privileges on oils; carloads; at Buffalo and East Buffalo. Sheanut oil added to list of inbound commodities and crude or refined liquid sheanut oil, solidified sheanut oil and sheanut oil foots or sediment added to list of outbound commodities. New arrangement showing reductions becomes effective January 21, 1938.

Bids Wanted

Alcohol, Denatured:—10,706 gallons; Contracting Officer, Materiel Division, Air Corp, Wright Field, Dayton, Ohio; procurement 724, opening March 6.

Bauxite:—400 tons; U. S. Engineer Office, Navy building, Washington, D. C.; circular 76, opening February 23.

Benzene:—16,006 gallons grade B; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton, Ohio; procurement 732, opening March 8.

Chrome Green:—13,200 pounds; Quartermaster CCC, Fort Bragg, North Carolina; procurement 54040-49, opening February 28.

Yellow:—30,000 pounds; Purchasing Agent, Bureau of Engraving and Printing, Washington, D. C.; opening February 21.

Cleaning Compound:—7,000 pounds, aircraft; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton, Ohio; requisition 502-821; opening February 21.

Drugs-Chemicals: — 135 items; Purchasing and Contracting Officer, Medical Section, Army Base, Brooklyn, N. Y.; circular 78, opening March 14.

152 items, as required during March 1 to May 15; Terminal Island, Calif., Assistant Director, Bureau of Prisons, Department of Justice Washington, D. C.; schedule 1366, opening February 24.

Ethyleneglycol:—8,891 gallons; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton, Ohio; procurement 725, opening March 8.

Fertilizer:—5 tons; Division of Purchases, Sales and Traffic, Department of Agriculture, Washington, D. C.; procurement 1542, opening February 25.

Lead, White:—4,000 pounds; Commanding Officer, Frankford Arsenal, Pa.; circular 707, opening February 24.

Lime, Hydrated:—100,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 639, opening February 24.

Oil, Lard:—2,275 gallons; Commanding Officer, Watervliet Arsenal, N. Y.; procurement 55, opening February 23.

Nitrocellulose Dope:—200 gallons for Philadelphia; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 2855, opening March 4.

1,000 gallons for Pensacola; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 2855, opening March 4.

6,500 gallons for San Diego; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 2855, opening March 4.

1,500 gallons for eastern and western yards, Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 2855, opening March 4.

Pitch, Coaltar:—43,925 pounds; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; requisition 592-NSA, group 2, opening February 21.

Polish, Metal:—24,000 pints; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-172, opening March 14.

Soap:—100,000 cakes, grit; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-172, opening March 14.

5,040 pounds; U. S. Engineer Office, Rock Island, Ill.; circular 218, opening February 24.

Supplies for 1939 fiscal year; Purchasing Officer, Indian Warehouse, Chicago, Ill.; schedule 1-P, opening March 15.

Laundry:—1,000,000 pounds; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-172, opening March 14.

Toilet: — 202,000 cakes; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-172, opening March 14.

Soda Ash:—10,000 pounds; Commanding Officer, Springfield Armory, Mass.; circular 155, opening February 25.

Soda, Caustic:—96,000 cans; Quartermaster Supply Officer, Army Base, Brooklyn; procurement 626-172, opening March 14.

Soda Hyposulphite:—100,000 pounds; Quartermaster Supply Officer, Army Base, Brooklyn; procurement 626-172, opening March 14.

Modern Fuel Application In Coatings Industry

—Continued from page 36

is a large one and the amount of gas required is, therefore, considerable, it may prove advisable either to install a recuperator which will serve to recover some of the waste heat, or in some cases a boiler or hot water heater may be utilized to recover in useful form some of the excess heat.

The engineering surrounding fume consumption at present covers so many factors that it is hardly practical to make a definite statement without a full knowledge of the problem to be solved.

Paint manufacturing and varnish cooking are outstanding examples of operations which produce fumes which may be readily handled by this type of equipment. In many cases of baking or drying in the case of applying paints, japans, or enamels the fumes produced are quite objectionable if liberated in a residential neighborhood. The printing trade frequently produces fumes which must be removed.

In practically all the operations we mentioned the fumes are vapors or gases which can only be destroyed practically by combustion. There are many cases in which fumes are produced by powders or dust. These can sometimes be corrected by electrical means, but in many cases these can be readily handled by the combustion method.

The field which this discussion has endeavored to cover is so extensive and the operations subject to so many minute details of control that all statements made can at best merely be considered as a partial summary, pointing the path of progress which a great industry is following.

Corporation Earnings Recently Reported

	Period.	1937 Net income.	1937 Per share.	1936 Net income.	1936 Per share.
American Chicle Co.	Year	$3,661,212	$8.37	$3,089,721	$7.02
American Snuff Co.	Year	1,572,082	3.13	1,655,086	3.32
Archer-Daniels-Midland Co.	6 mos.	676,117	1.03	1,163,886	1.92
Atlantic Refining Co.	Year	9,942,000	3.51	7,342,464	2.59
Atlas Powder Co.	Year	1,433,872	4.40	1,430,080	4.21
American Agri. Chemical Co.	Year	132,647	.63	161,694	.77
Bristol-Myers Co.	Year	2,235,002	3.26	2,275,251	3.31
Chickaska Cotton Oil Co.	Year	200,000	.78	73,049	.29
Continental Can Co.	Year	8,913,526	3.06	9,038,787	3.17
Cabot Manufacturing Co.	Year	*147,222	...	147,222	...
Devoe & Raynolds Co.	Year	609,683	4.05	707,210	4.49
Du Pont de Nemours & Co.	Year	$8,031,943	7.29	$9,884,449	7.56
Falconbridge Nickel Mines, Ltd.	Year	1,471,495	.44	1,873,607	.56
Freeport Sulphur Co.	Year	2,703,742	2.13	2,009,784	2.43
General Fireproofing Co.	Year	1,147,558	3.47	564,621	1.62
General Paint Corp.	Year	554,036	2.01	484,802	1.60
Hancock Oil of Calif.	6 mos.	387,190	1.78	164,561	.76
Hercules Powder Co.	Year	4,608,162	3.10	4,381,501	3.25
Howe Sound Co.	Year	4,753,044	10.03	2,518,984	5.32
Lion Oil Refining Co.	Year	945,334	2.17	594,735	1.43
Liquid Carbonic Co.	Qtr.	*14,538	...	64,093	.09
Mathieson Alkali Works.	Year	1,664,183	1.80	1,628,480	1.76
National Lead Co.	Year	4,886,951	.95	7,230,531	1.71
N. J. Zinc Co.	Year	7,871,914	4.01	5,250,789	2.67
National Oil Products Co.	Year	438,249	2.59	559,097	3.31
Paraffine Companies, Inc.	6 mos.	893,925	1.78	1,244,197	2.51
Parke, Davis & Co.	Year	9,093,304	1.86	9,244,124	1.89
Penna. Salt Manufacturing Co.	Year	1,531,743	10.21	1,589,201	10.59
Owens-Illinois Glass Co.	Year	9,315,000	3.50	10,099,131	3.79
Union Oil of California.	Year	12,061,332	2.58	6,133,398	1.40
United States Gypsum Co.	Year	5,461,010	4.12	5,353,113	4.03
Sharp & Dohme, Inc.	Year	999,168	.25	1,123,959	.41
Sun Oil Company	Year	9,544,085	3.86	7,563,554	3.25
Union Bag & Paper Co.	Year	1,419,595	1.36	387,391	.37
United Carbon Co.	Year	2,350,486	5.91	2,202,850	5.54
Valspar Corp.	Year	269,329	.37	18,339	.003

* Deficit.

Freeport Sulphur Opens New Louisiana Hospital

As part of a $300,000 building construction program in Louisiana, Freeport Sulphur Company will open a modern hospital recently completed at Port Sulphur in Plaquemines parish, Louisiana. The company has also completed construction of twenty-five new houses for plant employees.

The program is being undertaken by the company upon assurance from the Louisiana State Board of Commerce and Industry that action is to be taken at the May session of the Legislature to adjust the disparity between the $2 per ton severance tax on sulphur in Louisiana and the $1.03 per ton levy which exists in Texas. Other expansion plans of the company include recreational facilities and schools.

The new hospital contains eighteen rooms and is equipped with modern surgical and x-ray apparatus and its facilities will be available to all residents of Placquemines parish as well as employees of the company.

Fertilizer Makers Launch Soil Aid in Southwest

Fertilizer manufacturers in the Southwest have organized the Southwest soil improvement committee, and will conduct educational work designed to help farmers in purchasing fertilizers that will give them the largest possible returns for each dollar expended. The States included in the organization are Mississippi, Arkansas, Louisiana, Oklahoma, Texas, and New Mexico.

The membership of the committee is as follows:—Representing Mississippi, N. E. Harman of the Meridian Fertilizer Factory, Hattiesburg, chairman; J. R. Owens of the F. S. Royster Guano Company, Jackson; George Covington of the Laurel Oil & Fertilizer Company, Laurel; J. B. Black of the Virginia-Carolina Chemical Corporation, Jackson. Louisiana, C. D. Shallenberger of the Shreveport Fertilizer Works, Shreveport; J. W. Anthony of Swift & Co. Fertilizer Works, New Orleans; J. B. Snell of the Minden Cotton Oil Company, Minden; Douglas Kelly of the Armour Fertilizer Works, New Orleans, and A. L. Gayle, Kelly Weber & Co., Lake Charles. Representing Texas, S. M. Hackett of the Federal Chemical Company, Shreveport, La.; M. S. Wright of the Texas Farm Products Company, Nacogdoches, Texas; William G. Carroll of the United Chemical Company, Dallas, Texas. Arkansas, E. E. Newhouse of the Newhouse Chemical and Supply Company, Little Rock; P. F. Cleaver of the Rose City Cotton Oil Mill, Little Rock; T. G. Sinclair of the International Agricultural Corporation, Texarkana.

Manufacturers in Southern Virginia, Southern West Virginia and in North Carolina have organized the North Carolina-Virginia soil improvement committee. The membership of the committee follows:—

M. S. Purvis of the Virginia-Carolina Chemical Corporation, Richmond, Va., chairman; C. G. Crockett, of the Standard Fertilizer Company, Williamston, N. C.; F. N. Bridgers of the Farmers Cotton Oil Company, Wilson, N. C.; A. C. Diehl of the Nitrate Agencies Company, Wilmington, N. C.; R. B. Douglass of the Smith-Douglass Company, Norfolk, Va.; D. C. Dungan of the Zenith Chemical Company, Salisbury, N. C.; Robert D. Gorham of the Planters Cotton Oil & Fertilizer Company, Rocky Mount, N. C.; C. E. Norvell of the American Agricultural Chemical Company, Greensboro, N. C., and C. S. Ragan of the Southern Cotton Oil Company, Goldsboro, N. C.

Plastic, Coldwater Paint Sales Gain in 1937

Sales of plastic and cold-water paints, and calcimines reported by fifty-three manufacturers to the Bureau of Census for December, 1937, were as follows:—

Plastic Paints

	Pounds.	Value.
Paste, casein-bound	18,079	$2,325
All other	18,415	2,113
Dry, casein-bound	183,535	13,121
glue-bound	103,305	4,724
Totals	323,334	$22,283

Cold Water Paints

	Pounds.	Value.
Exterior, lime or cement-bound	400,961	$28,908
casein-bound	202,019	11,119
Interior, casein-bound, paste form	1,109,160	97,236
dry powder form	227,175	19,811
glue-bound	272,650	7,238
Totals	2,211,965	$164,312

Calcimines

	Pounds.	Value.
Hot water	1,734,421	$67,812
Cold water	2,122,516	93,035
Totals	3,856,937	$160,847

Sales of these products for 1937 insofar as they can be compared with those in the preceding year were as follows:—

	1937.	1936.
Plastic paints.....lbs.	6,646,615	6,397,855
value.	$519,273	$513,882
Cold-water paints....lbs.	41,661,214	*23,232,852
value.	$3,095,802	$1,536,904
Calcimines .....lbs.	79,383,212	80,251,352
value.	$3,364,066	$3,395,437

* Does not include data for casein paint in paste form for interior use, which was not called for on the scedule for 1936.

Jones-Dabney Appoints Johnson Eastern Agent

The Jones-Dabney Company, manufacturer of lacquers, varnishes and enamels, Louisville, has appointed the H. M. Johnson Company to handle its synthetic resin and lacquer sales in the eastern territory. H. M. Johnson, who has organized a new technical sales organization, will have his main office in Newark, N. J., and maintain direct service in the Boston, New York, Philadelphia and Baltimore territories. Mr. Johnson has long been the representative of Beck, Koller & Co. in the eastern territory and has held the office of vice-president in charge of eastern sales for several years.

N.E. Production Club Elects 3 Honorary Members

The New England Paint and Varnish Production Club, at a meeting January 20, elected F. C. Atwood, of the Atlantic Research Associates, Newton, Mass.; C. W. Clark, of E. I. duPont de Nemours & Co., Madison, Iowa, and treasurer of the Federation of Paint and Varnish Production Clubs, and V. C. Bidlack, of the McCloskey Varnish Company, Philadelphia, honorary members in appreciation of the outstanding services they rendered the paint industry during their regimes as presidents of the federation. William Koumbhaar, of the Beck, Koller Company, addressed the club on "Tropical Paints and Polarizer Light Microphotography."

Baltimore Production Club Appoints 1938 Committees

The Baltimore Paint and Varnish Production Club held its February meeting at the Longfellow hotel February 8. The regular standing committees were appointed, the chairman of which are:—Technical, Leroy W. Shuger; program, Harry Feinberg; membership, Jeffrey R. Stewart, and cost accounting, George Sutherland. Anthony Skeet and C. H. Allen, of the American Gum Importers' Association, read a paper on "Recent Developments in Natural Resin Technology."

The club celebrated its Winter-social function at the Southern hotel January 22. The function was informal and did include a dinner, followed by dancing. The Alcatraz Company, Richmond, Va., was elected to membership. J. L. Boyer, of the General Naval Stores Company, will speak at the February meeting on "Wood Naval Stores, Present, Past and Future."

The meeting was also addressed by E. V. Ladd, president of the national federation who told of the resolutions passed at the recent meeting of that body in Washington, D. C. Harry Feinberg, chairman of the program committee, said that the speaker at the next meeting would be Kenneth Mowlds, of the Chemical and Pigment Company, and that his subject would be "The Manufacture of Lithopone."

The report of Leroy W. Shuger, chairman of the technical committee, advised that work was being done on "A Measurement of the Dielectric Constants and Conductivities of Varnishes," "An Investigation of the Merits of Chia Oil," and "Livering." Only one of these topics would be available as club paper, the others being continued into the next year.

The invitation of the Philadelphia Paint and Varnish Production Club for a joint meeting in June was referred to Mr. Feinberg for acceptance and subsequent arrangements of details.

There was the usual dinner.

Current Market Quotations

—Continued from page 23

Zinc Ammon.—Zirconium

Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb.	.05	—
l.c.l., dlvd., except Pac. cst..lb.	.05½	—
ex whse., Pac. cst..lb.	.05½	—
Zirconium nitrate, kgs., works.lb.	3.00	- 4.00
Oxide, crude, 73-75%, grd., bbls., works..ton.	75.00	-100.00
kgs., small lots, works...lb.	.04¼	- .04½
white, 98%, rgd., kgs., works, lb.	1.40	- 1.52

Synthetic Resins and other Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the February 7 issue; the next printing will be in the March 7 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish, and Lacquer Materials Market, which begins on page 37.

Gasoline Freights Reduced

The New York Public Service Commission has approved the following freight rates:—

Of the Erie railroad on gasoline, kerosene, blended gasoline, petroleum fuel oil, distillate:—tankcars, estimated weight 6.6 pounds per gallon, minimum weight as per rule 35 of official classification, from Olean, Irvine Mills and Limestone to Sodus, 16½c. per hundredweight, reduction 1½c. per hundredweight, effective February 1, 1938.

Marvin Wood, of the Snow Brokerage Co., broker in vegetable oils, this city, has applied for membership in the New York Produce Exchange.

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 12 Gold Street, New York

Agencies Wanted

NEW YORK JOBBING and importing firm, established over twenty years, is interested in securing new connections for the sale of raw materials, by-products, or chemical specialties. BOX 656, Oil, Paint and Drug Reporter.

FIRM established twenty years with headquarters in Cincinnati and covering Louisville, Dayton and Columbus, would be interested in representing producers of raw materials, including pigments, oils and chemicals. BOX 671, Oil, Paint and Drug Reporter.

WELL ESTABLISHED merchandise broker in Boston desires additional line for the paint, vanish, lacquer and allied trades. Can offer unusual connections, also highest references. BOX 680, Oil, Paint and Drug Reporter.

WELL KNOWN New York chemical distributors of good financial standing, would be interested in securing sales agency for additional materials that can be sold to paint, varnish, lacquer, pharmaceutical, plastic and printing ink industries. BOX 681, Oil, Paint and Drug Reporter.

GRADUATE PHARMACIST entering chemical sales field, desires connection with manufacturers of chemical products salable paint, drug and service fields, specializing in small lots. Will represent or buy products outright. BOX 704, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE — Five Sweetland filters, up to No. 12; twenty plate-frame and recessed types filter presses, iron, bronze, wood, all sizes; forty centrifugal machines up to 60 inches; twenty-five copper jacketed kettles with and without agitators, up to 500 gallons; vacuum dryers, W. & P. mixers, rotary dryers, pulverizers, tanks, kettles, etc. Send us your inquiries. Consolidated Products Company, Inc., 15-17-19 Park Row, New York, N. Y.

FOR SALE—ONE 20" Kent water cooled color mill. BOX 653, Oil, Paint and Drug Reporter.

FOR SALE—Two 6x8 pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FOR SALE—Anderson motor driven expeller; filter presses, 18"x18" and 24"x24"; Oats 300-gal. copper vac. still; Stedman 42" disintegrator; Werner & Pfleiderer jack. mixer, size 15, "BB"; Colton 1" rotary and 1¼" single punch tablet machines; Stokes, Colton and Day powder and paste fillers, rotary bottle washers; Alsop vac. bottle fillers; glass-lined kettles and tanks; pulverizers, roller mills, pumps, etc. Specialists in hydraulic equipment for plastic industries. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

FIND WHAT you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Co., 123 Bleecker street. SPring 7-8955.

Equipment Offered

FOR SALE—Day 15 and 40 gal. Pony mixers, 30 and 20 inch stone mills, dry mixers, all rebuilt and in finest condition. Wanted —30 and 36 inch mills. BOX 700, Oil, Paint and Drug Reporter.

Equipment Wanted

WANTED:—Lead lined tank with cone bottom. Capacity about 500 gallons. Must be in first-class condition. Give full particulars as to size and openings. BOX 685, Oil, Paint and Drug Reporter.

Factories Offered

BRICK FACTORY—Two story brick, 23,000 sq. ft., good headroom, live steam available 24 hours day, railroad siding, sprinklers, yard. Unrestricted district 15 minutes to Manhattan. Low rent. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

Investment Offered

MINERAL, CLAYS, colors; importer and manufacturers agent, fifteen years experience with established following, desires expanding and will consider partner with sales experience and capital. Excellent opportunity. BOX 684, Oil, Paint and Drug Reporter.

CHEMICAL MANUFACTURER, of national reputation, established more than 15 years, producing various organic specialties, needs additional capital for expansion. BOX 701, Oil, Paint and Drug Reporter.

Materials Wanted

WILL BUY any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

Plant Wanted

WANTED—TO BUY a small going paint or varnish plant in New York or vicinity. State full particulars if possible in first letter. BOX 699, Oil, Paint and Drug Reporter.

Positions Vacant

SALESMAN WANTED to sell liquid bleach in the New York metropolitan area. State full particulars. BOX 654, Oil, Paint and Drug Reporter.

CHEMIST with experience in formulation and application of roller coated protective and decorative finishes for metal. Must be familiar with requirements of metal package industry. None other need apply. BOX 682, Oil, Paint and Drug Reporter.

SALESMEN WANTED to sell white pigments in Eastern territory by large manufacturer. Previous experience desirable but not essential. Good prospects of rapid advancement to managerial position. Reply in confidence giving full details of experience, education, age, etc. BOX 702, Oil, Paint and Drug Reporter.

Positions Vacant

CHEMIST WANTED — Junior chemist wanted by leading paint and varnish manufacturer. Must have few years' paint and varnish experience, have initiative and be able to grow and progress with the job. Experience with synthetics preferable but not essential. Splendid opportunity for wide-awake young man to advance to higher position and increased earnings after he proves himself. Salary commensurate with ability. Location—near New York City. In replying, give training, former positions held, and experience in detail in order to receive consideration. Our staff knows of this opening. BOX 689, Oil, Paint and Drug Reporter.

ASSISTANT TRADE sales manager, assistant to director of trade sales wanted for leading paint manufacturer located 25 miles from New York City. Excellent opportunity for man who knows how to handle salesmen and secure results. The man we want must be a good salesman himself, with a successful record selling to paint jobbers and dealers. In addition, he must be able to direct the activities of salesmen, know how to work with them in the field, and help them close orders. He should have a following among jobbers and dealers in the East and South. Compensation — salary commensurate with ability and experience. No application considered unless full details are given regarding experience, age, salary received and reasons for leaving each position. BOX 690, Oil, Paint and Drug Reporter.

CHEMIST WANTED—Leading paint and varnish manufacturer near New York City has important opening for chemist. Must be thoroughly familiar with production finishes and synthetic resins. Only men with good general all-around experience will be considered. Substantial salary—opportunity to become technical director if qualified. Replies must give complete experience record, training and former connections to receive consideration. Our staff has seen this advertisement. BOX 691, Oil, Paint and Drug Reporter.

CHEMIST — Laboratory near New York City desires services chemist experienced in analyzing greases, previous connection with grease manufacturers necessary. State full qualifications, references, etc. BOX 703, Oil, Paint and Drug Reporter.

Positions Wanted

EXPORT, IMPORT, domestic, buyer, assistant buyer or salesman, twenty years' diversified experience handling complete line wholesale drugs, chemicals, botanicals, oils, allied products also general merchandise, desires responsible position. BOX 642, Oil, Paint and Drug Reporter.

SALES ENGINEER, having 15 years' experience in sales promotion relating to dyestuffs, textile chemicals, thermoplastics, lacquers and solvents. BOX 652, Oil, Paint and Drug Reporter.

INDUSTRIAL CHEMIST — University of Chicago graduate. Research and development experience nitrocellulose and celluloid. Plant production experience formulation and control of paints, enamels, synthetic enamels, lacquers, and putties. Available immediately. Location immaterial. BOX 667, Oil, Paint and Drug Reporter.

Positions Wanted

MAN, 32, thoroughly experienced in paints, stains and formulating. Can handle various departments. Prefer position in or near Chicago. BOX 665, Oil, Paint and Drug Reporter.

EXECUTIVE — Constantly employed for past twenty years is seeking larger responsibilities with progressive concern. Technical and business training, market minded and can sell. Excellent assistant to president or works manager. BOX 668, Oil, Paint and Drug Reporter.

OFFICE MAN, efficient and thorough, for paint or allied line, well experienced in credits, collections, correspondence, accounting, bookkeeping; moderate expectations. BOX 666, Oil, Paint and Drug Reporter.

THOROUGHLY TRAINED and experienced biological and pharmaceutical detail man, desires position with first-class firm which can offer opportunity for advancement. Employed at present. Highest type references supplied. BOX 694, Oil, Paint and Drug Reporter.

PAINT SALESMAN — Experienced, good clean record and a following among dealers, painters and maintenance men in Philadelphia and vicinity—desires position —with a full line reputable house. BOX 695, Oil, Paint and Drug Reporter.

OFFICE MAN efficient for paints, etc. Twenty years' experience order, billing, sales help and correspondence. BOX 696, Oil, Paint and Drug Reporter.

PRACTICAL PAINT and varnish maker, experienced, 38, wants connection with small concern as superintendent or varnish maker. Experienced formulator government specification materials. Excellent references; starting salary unimportant. Willing to go anywhere. BOX 697, Oil, Paint and Drug Reporter.

PHARMACEUTICAL CHEMIST — Excellent employment record, analytical, production, managerial. Highest type references. Has complete analytical laboratory. Available for full or part time work. Neat, energetic, Christian. Metropolitan New York area. BOX 698, Oil, Paint and Drug Reporter.

ANALYTICAL CHEMIST with three years' experience in analysis of foods, pharmaceuticals and cosmetic products. BOX 705, Oil, Paint and Drug Reporter.

PLANT CHEMIST with eight years' experience in the manufacture of heavy chemicals, phosphates, silicates and liquid soap. BOX 706, Oil, Paint and Drug Reporter.

CONTROL CHEMIST has worked four years with manufacturers of pharmaceuticals, fine chemicals and laboratory reagents. BOX 707, Oil, Paint and Drug Reporter.

Surplus Stock

CHECK INVENTORIES — Cash for any quantity, surplus finished or raw material —chemicals, oils, coaltar products, metals, drugs, pharmaceuticals, gums, wastes and by-products. Entire plants bought. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0134.

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Mart Building, St. Louis, Mo.

McLaughlin Heads N.E. Paint Up Drive

The Paint and Oil Club of New England has just recently appointed Mr. J. F. McLaughlin as executive secretary of its 1938 Clean Up and Paint Up campaign.

Mr. McLaughlin has been connected with promotion work in the metalware and hardware fields for many years, also with public utilities and companies such as General Electric, Standard Oil of New Jersey, American Radiator Company, and Butler Brothers in Texas, Oklahoma and Louisiana. It is understood that Dana Redmond, last years executive secretary has agreed to serve on the committee in an advisory capacity.

Jack F. Schwabe has been appointed Cincinnati district manager for the Shell Petroleum Corporation.

BEST BUYS in RECONDITIONED and GUARARANTEED CHEMICAL and PROCESS EQUIPMENT

Selected from our huge stock as the "MACHINERY OF THE MONTH"

1—Day Jumbo Jacketed Mixer.
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3—Vertical Sheet Steel Mixers, 5'6"x4'6".
1—Sprout-Waldron Continuous Mixer.
1—W & P 100 gallons Jacketed and Agitated Mixer, Power Tilting.
1—Williams Hammermill.
1—Jay-Bee Hammermill—50 HP motor.
1—Gruendler Hammermill—75 HP motor.
1—Tolhurst 40" Centrifugal—Suspended Type.
1—Pfaudler Enamelled Jacketed Vacuum Pan with agitator 3'x3'.
Dryers, Evaporators, Grinders, Dry Mixers, Vacuum Pans, Pumps, etc.

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Hecla Mining Company and the Bunker Hill and Sullivan Mining Company has closed the Star Mine, zinc-lead ore, for an indefinite period.

Fred M. Carter, retired president of the National Lead Company, this city, is now residing in Los Gatos, Cal., where he recently purchased a home.

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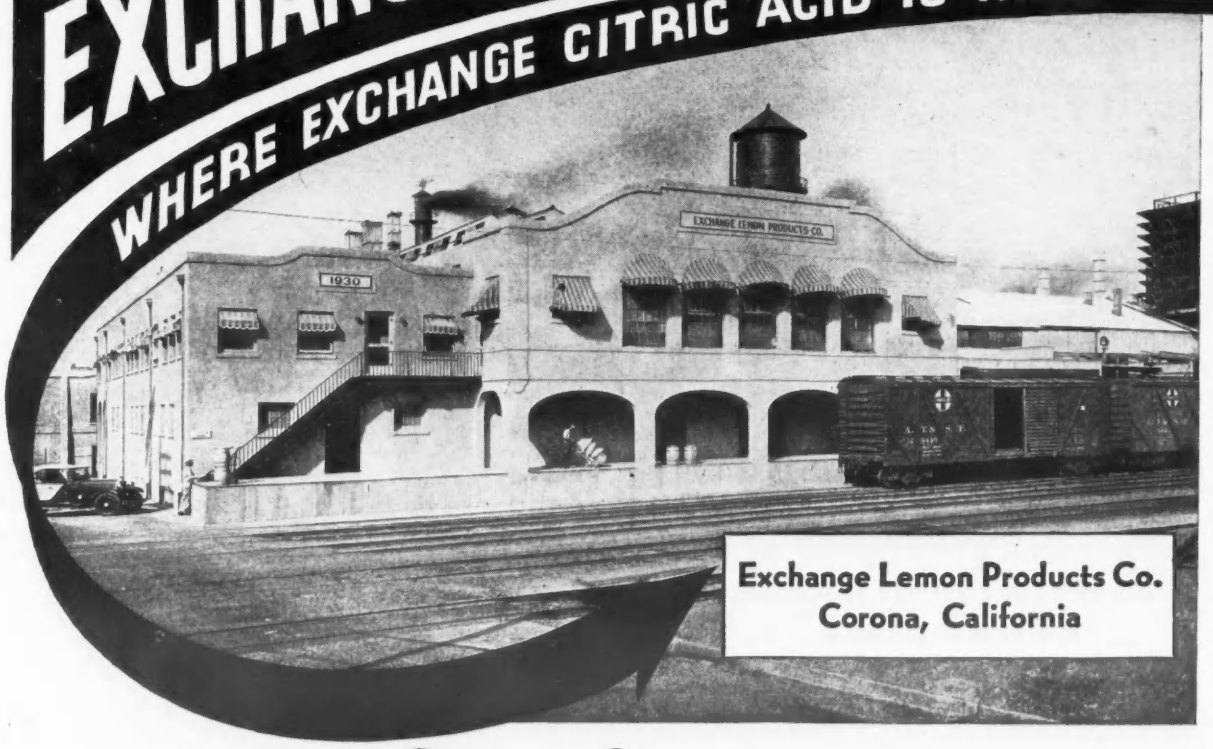

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